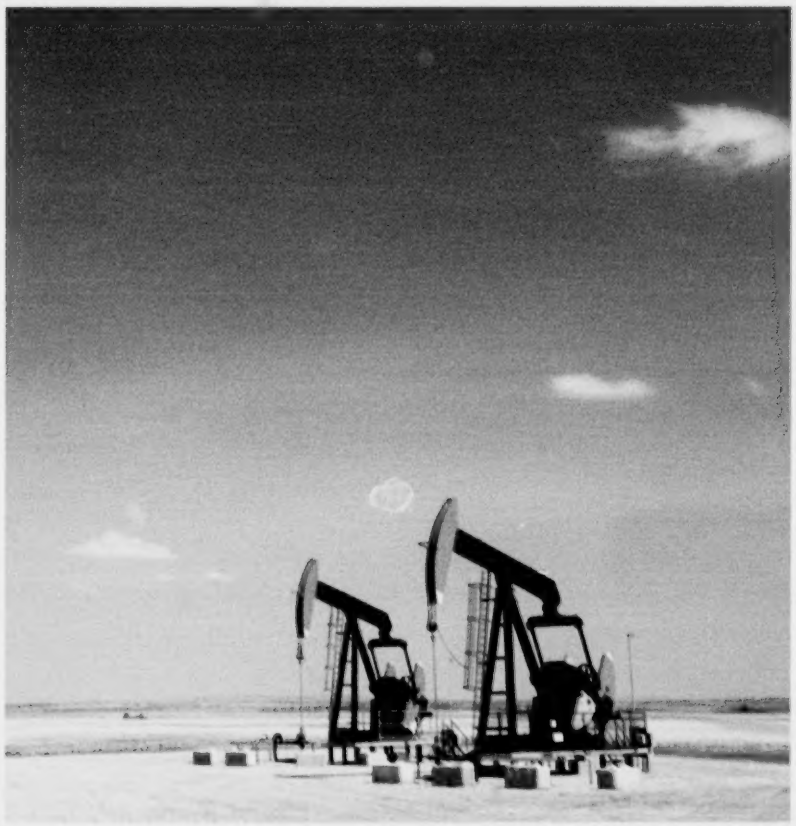
ST60B-2011

ERCB

Upstream Petroleum Industry Flaring and Venting Report

Industry Performance for Year Ending December 31, 2010

September 2011



Energy Resources Conservation Board

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ST60B-2011: Upstream Petroleum Industry Flaring and Venting Report, 2010

September 2011

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Suite 1000, 250 – 5 Street SW
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Telephone: 403-297-8311
Toll free: 1-855-297-8311
E-mail: infoservices@ercb.ca
Web site: www.ercb.ca

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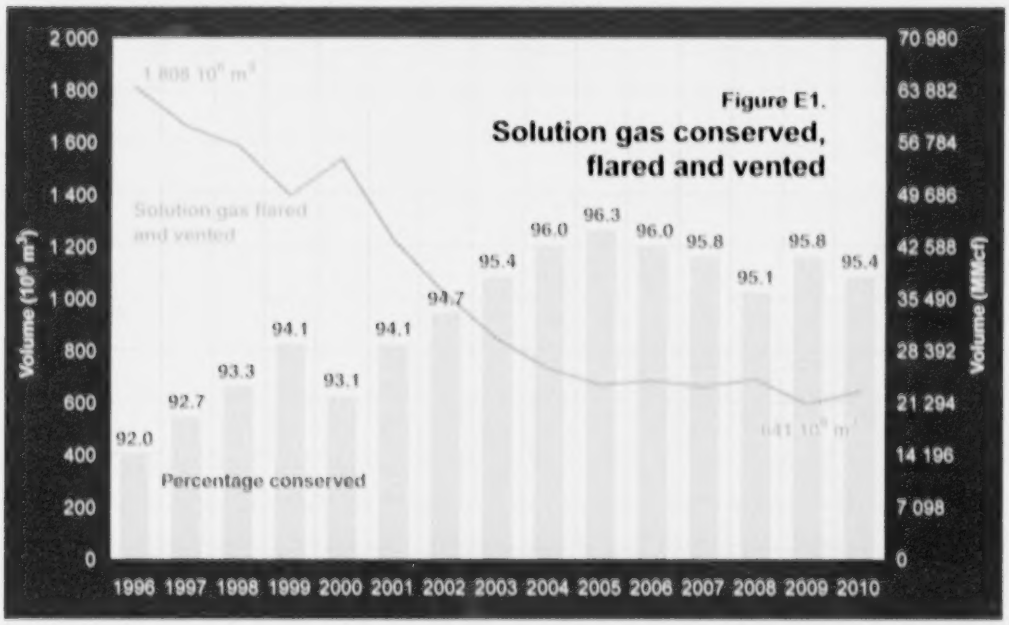
Executive Summary

Background

Published annually, the Energy Resources Conservation Board (ERCB) *ST60B: Upstream Petroleum Industry Flaring and Venting Report* fulfills the ERCB's commitment to report on upstream industry flaring and venting performance, as set out in *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting*. The report's primary focus is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report also includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, natural gas transmission lines, and coalbed methane and shale gas activities. The report does not include flared and vented volumes resulting from bitumen upgraders and oil sands mine operations. The data used to compile the report are obtained from the Petroleum Registry of Alberta and the ERCB.

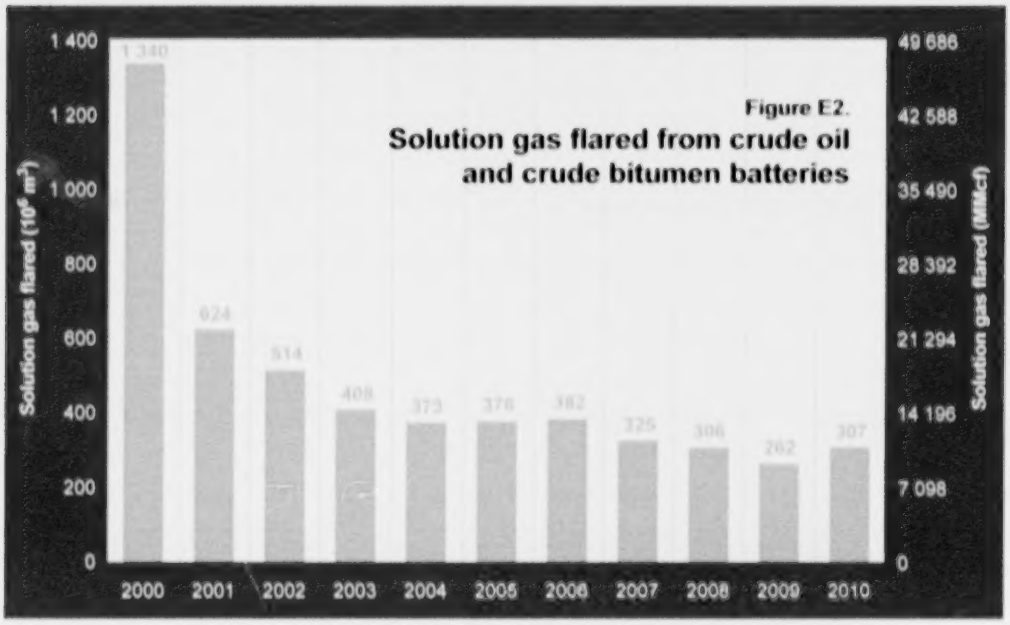
Solution Gas Conservation

Solution gas conservation in 2010 was 95.4 per cent.



Solution Gas Flared

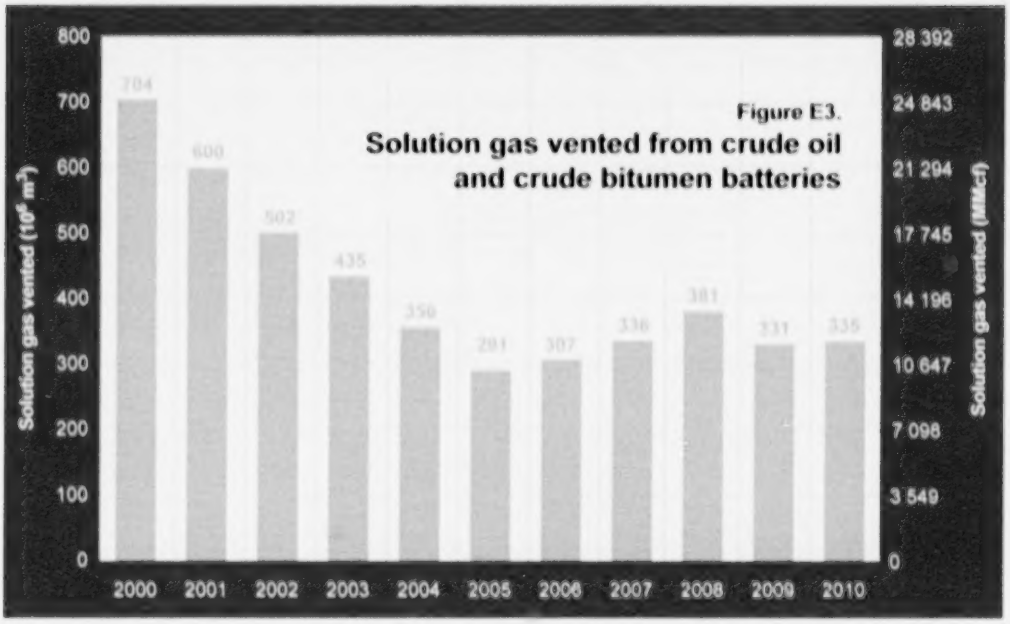
Solution gas flared in 2010 was 77.1 per cent less than the 1996 flaring baseline.



The increase in solution gas flared in 2010 (16.9 per cent) from the previous year can be primarily attributed to increase in new bitumen production during the year and low gas prices, which makes the economic viability of conservation more challenging. Crude bitumen production increased by 17.5% in 2010 compared to 2009.

Solution Gas Vented

Solution gas vented in 2010 was 52.5 per cent less than the 2000 venting baseline.



In *ST60B-2004: Upstream Petroleum Industry Flaring and Venting Report, 2003*, the Alberta Energy and Utilities Board (EUB, now the Energy Resources Conservation Board [ERCB]) made commitments to identify and implement a number of conservation measures aimed at reducing the volumes of solution gas vented from crude bitumen operations. As a result of the ERCB implementing the measures and industry awareness of them, there was a net decrease in venting from crude bitumen batteries between 2004 and 2010.

In 2010, there was a 3.6 per cent increase in venting from crude bitumen batteries to 233 million cubic metres (10^6 m^3) (8270 million cubic feet [MMcf]) from 225 10^6 m^3 (7986 MMcf) in 2009. This can be attributed to the fact that 1007 more crude bitumen batteries operated in 2010 compared with 2009.

In 2010, crude bitumen production increased by 17.5 per cent to 44.9 10^6 m^3 from 38.2 10^6 m^3 in 2009.

Discussion

Between 1996 and 2005, significant progress was made in reducing solution gas flaring and venting in Alberta. However, since 2006, while the trend in flaring has continued to drop, the trend in venting increased until 2008. In 2009, solution gas venting decreased by 13.1 per cent compared with 2008 and increased again by 1.1 per cent in 2010 compared with 2009. Overall, solution gas conservation dropped from 96.3 per cent in 2005 to 96.0, 95.8, 95.1, 95.8, and 95.4 per cent in 2006, 2007, 2008, 2009, and 2010 respectively. As in 2006 and 2007, the main reason for the drop in conservation in 2010 compared with 2005 is increased solution gas flaring and venting in heavy oil and crude bitumen production.

It should be noted that some of the 2008 numbers used in this report for comparison purposes are different from the numbers reported in the *ST60B–2009* report. After *ST60B–2009* was released, it was determined that vented volumes reported at some facilities were overstated. The corrected vented numbers for 2008 are used in this report.

Solution gas conservation feasibility is determined by an economic test, as specified in Section 2 of *Directive 060: Upstream Petroleum Industry Flaring, Incineration, and Venting*. In times of high labour and services costs, and relatively low gas prices, the economic viability of conservation is more challenging.

For the purposes of this report:

- Conservation (C) is defined as the volume of gas produced (P) minus flared (F) and vented (V) volumes divided by the volume of gas produced: $C = (P-\{F+V\})/P$.
- All reported flared volumes include gas that was incinerated, unless otherwise stated.
- Venting is defined as the non-combusted release of gas to the atmosphere.

For information on flaring, incinerating, and venting requirements, see *Directive 060*. If you have questions regarding flaring, incineration, venting, or this report, contact the ERCB Technical Operations Group through the Customer Contact Centre at 403-297-8311 or toll free 1-855-297-8311.

1 Introduction

Reducing routine flaring and venting of solution gas has been an Energy Resources Conservation Board (ERCB) priority since 1938, the year the Turner Valley Gas Conservation Board (predecessor to the ERCB) was formed to address reservoir management problems in southern Alberta.

Alberta energy resource conservation, public safety, environmental protection, and information dissemination are core ERCB functions. The ERCB's activities and partnership work on routine flaring and venting reduction address conservation and public safety. *ST60B Upstream Petroleum Industry Flaring and Venting Report*, published annually, fulfills the ERCB's information mandate on flaring and venting and is part of a commitment made in *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting* (Section 11) to make flaring and venting data more accessible.

The primary focus of *ST60B* is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report also includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, natural gas transmission lines, and coalbed methane and shale gas activities. The report does not include flared and vented volumes resulting from bitumen upgraders and oil sands mine operations. The data used to compile the report are obtained from the Petroleum Registry of Alberta and the ERCB.

The ERCB, as a member of the consensus-based multistakeholder Flaring and Venting Project Team of the Clean Air Strategic Alliance (CASA), helps develop flaring and venting management recommendations for the Province of Alberta. The recommendations include determining flaring and venting baselines, flaring reduction targets, and operational requirements for the upstream oil and gas industry. The ERCB has adopted the recommendations put forward by CASA and incorporated them into the 1999 edition of *Guide 60: Upstream Petroleum Industry Flaring Guide* (subsequently known as *Directive 060*). Since then, enhanced regulation and enforcement, along with industry cooperation, have significantly reduced the volume of solution gas flared and vented.

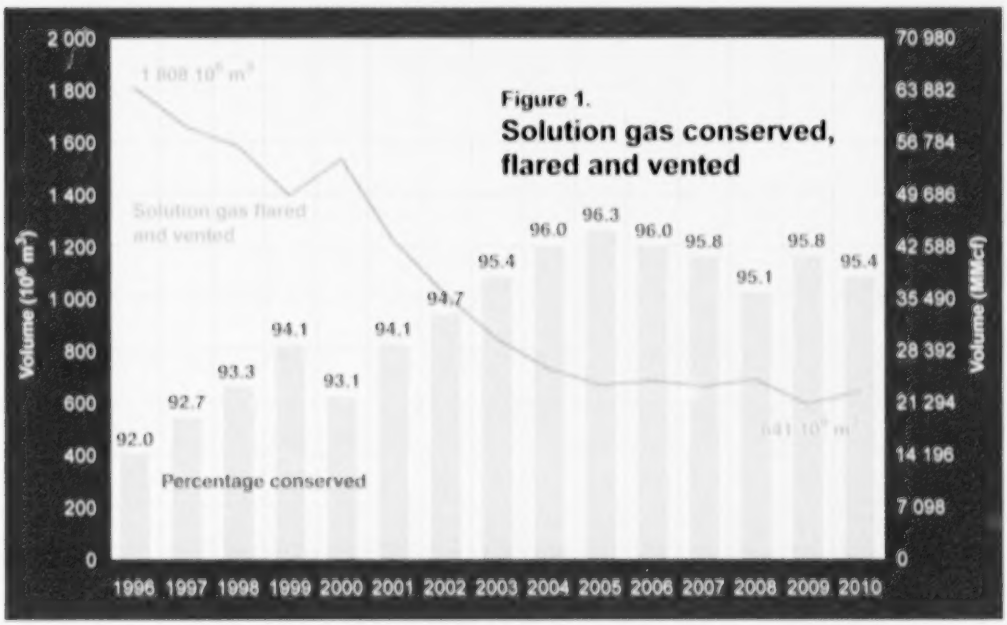
In January 2007, a wholly revised edition of *Directive 060* was released. Again, this was a multiyear collaborative effort that incorporated the recommendations of four CASA Flaring and Venting Project Team reports. This latest edition of *Directive 060* contains the clearest and most comprehensive set of upstream flaring and venting regulations released in Alberta (and Canada) to date. Even with the overall success experienced in Alberta, further reductions are still being aggressively pursued through regulatory enhancements, industry compliance and cooperation, and collaboration through CASA (www.casahome.org).

Alberta's success in reducing flaring and venting has been acknowledged internationally. In 2002, the World Bank invited Alberta to participate in a Global Gas Flaring Reduction Initiative. The success of Alberta's flaring reduction efforts and the constructive CASA approach were attractive to the World Bank. Drawing on what it learned from the then Alberta Energy and Utilities Board (EUB, predecessor to the ERCB) and other international jurisdictions, the World Bank, developed and published its voluntary standard for global gas flaring reduction. The voluntary standard sets out a framework on how to reduce flaring and venting associated with crude oil production worldwide. In 2004, the EUB formally endorsed the Global Gas Flaring Reduction Standard, and the ERCB continues to provide technical assistance in developing global standards and in developing regulatory capacity in member countries. Information about the World Bank's Global Gas Flaring Reduction Standard is available from the World Bank Global Gas Flaring Reduction Partnership (www.worldbank.org/ggfr.htm).

The CASA Flaring and Venting Project Team issued its final report in December 2010. The report contained two consensus recommendations: (1) update the economic test net present value (NPV) each time *Directive 060* is updated to take into account inflation, and (2) investigate heavy oil well test time limits and tie-in time limits to see if these limits can be shortened.

2 Solution Gas Conserved, Flared and Vented, 1996-2010

Industry achieved a 95.4 per cent solution gas conservation rate in 2010, compared with 95.8 per cent in 2009, a decrease of 0.4 per cent (see Figure 1).



The combined volume of flared and vented solution gas increased to 641 million cubic metres (10^6 m^3) (22 762 million cubic feet [MMcf]) in 2010 from 593 10^6 m^3 (21 048 MMcf) in 2009.[1] This represents an increase of 48 10^6 m^3 (1714 MMcf), or 8.1 per cent.

Since 1996, the level of gas conservation has risen continually, with the exception of the 2000, 2006, 2007, 2008 and 2010 calendar years.

The decline in conservation in 2010 of 0.4 per cent can be directly attributed to new development in crude oil and crude bitumen production during the year.

The data from all crude oil and crude bitumen batteries were used in calculating the percentage of solution gas conserved. Gas conserved includes gas delivered to a pipeline for sale and that used as fuel for facilities and equipment, as well as for alternative uses, such as power generation.

[1] Actual values have been rounded to the nearest 10^6 m^3 and MMcf respectively. A factor of 35.494 was used to convert from 10^6 m^3 to MMcf.

3 Solution Gas Flaring and Venting Performance

The 2010 flared volumes were 77.1 per cent less than the 1996 flaring baseline, and the 2010 vented volumes were 52.5 per cent less than the 2000 venting baseline. Summaries of the actual reductions for the past twelve years for flaring and ten years for venting are given in Tables 1 and 2.

Table 1. Solution gas flaring reduction (compared with 1996 baseline)

Year	Reduction (%)
1999	30
2000	38
2001	53
2002	62
2003	70
2004	72
2005	72
2006	71
2007	76
2008	77
2009	80
2010	77

Table 2. Solution gas venting reduction (compared with 2000 baseline)

Year	Reduction (%)
2001	15
2002	29
2003	38
2004	49
2005	59
2006	56
2007	54
2008	43
2009	53
2010	53

The years 1996 and 2000 were selected as the baseline years for solution gas flaring and venting respectively because these topics were addressed by the CASA Flaring and Venting Project Team with the latest data available at those times.

Crude bitumen batteries accounted for 49.0 per cent of the solution gas flared and vented in 2010, with 74.2 per cent of this volume being vented. The ERCB will continue to work with all stakeholders, through CASA, to identify venting reduction strategies and opportunities to implement measures designed to achieve further reductions.

Table 3 shows the change in conservation rates for crude bitumen batteries and crude oil batteries in 2009 compared with 2010, as well as the change in gas production and flaring and venting.

Table 3. Solution gas conservation rates for crude oil and crude bitumen batteries, 2009-2010

	Conservation rate (%)			Gas production	Flared and vented
Type	2009	2010	2010 vs. 2009 % change	2010 vs. 2009 % change	2010 vs. 2009 % change
Crude oil batteries	97.4	97.2	-0.2	-2.7	4.3
Crude bitumen batteries	82.9	84.1	1.2	5.6	12.5
Crude oil & crude bitumen batteries	95.8	95.4	-0.4	-1.6	8.1

Discussion

Table 3 shows actual changes in solution gas conservation compared with increases or decreases in overall solution gas production. As can be seen, conservation declined at crude oil batteries and increased at crude bitumen batteries in 2010. Comparing 2009 and 2010 data, it can be seen that solution gas production at crude oil batteries has decreased, while at crude bitumen batteries there has been an increase. The table also shows that solution gas conservation at crude oil batteries decreased in 2010 compared with 2009. At crude bitumen batteries, solution gas conservation increased in 2010 and solution gas production increased. There is no direct relationship between increases in solution gas production and increases in flared and vented volumes; however, it is possible to see increases in the conservation rate while gas production is increasing.

The latest edition of *Directive 060* came into effect at the end of January 2007. It requires that all solution gas flares or vents releasing more than 900 m^3/day be economically evaluated to see if gas conservation is viable. If the NPV of the gas conservation project at crude oil batteries is found to be greater than negative $50 000, the well or battery must not be produced until the gas is conserved. At crude bitumen batteries, as soon as gas flow rates exceed an average of 900 m^3/day for any consecutive three-month period within a rolling six-month window, operators have up to six months to conserve the solution gas if the NPV of the gas conservation project is greater than negative $50 000. The previous version of *Directive 060* required at minimum a neutral NPV (i.e., $0.00) before solution gas conservation was required.

Notwithstanding the change to the solution gas conservation NPV threshold, lower natural gas prices and higher pipeline and compression capital costs in 2010 continued to negatively impact the economic viability of conservation.

Flaring from crude oil batteries increased to 226 10^6 m^3 (8022 MMcf) in 2010 from 208 10^6 m^3 (7378 MMcf) in 2009. This represents an increase of 18 10^6 m^3 (644 MMcf), or 8.7 per cent.

Venting from crude oil batteries decreased to 101 10^6 m^3 (3585 MMcf) in 2010 from 106 10^6 m^3 (3757 MMcf) in 2009. This represents a decrease of 5 10^6 m^3 (172 MMcf), or 4.6 per cent.

Flaring from crude bitumen batteries increased to 81 10^6 m^3 (2875 MMcf) in 2010 from 54 10^6 m^3 (1931 MMcf) in 2009. This represents an increase of 27 10^6 m^3 (944 MMcf), or 48.9 per cent. The volume of gas flared from crude bitumen batteries in 2006 was 39 10^6 m^3 (1384 MMcf).

Venting from crude bitumen batteries increased to 233 10^6 m^3 (8270 MMcf) in 2010 from 225 10^6 m^3 (7986 MMcf) in 2009. This represents an increase of 8 10^6 m^3 (284 MMcf), or 3.6 per cent.

The decrease in solution gas conservation from 95.8 per cent in 2009 to 95.4 per cent in 2010 can be correlated with the following:

1) The price for natural gas remained low in 2010, making solution gas conservation more economically challenging during the year.

2) The number of bitumen batteries reporting production in 2010 increased by 1007, from 1394 in 2009 to 2401 in 2010. This resulted in new solution gas venting of 49.7 10^6 m^3 and new flaring of 23.5 10^6 m^3 at bitumen batteries in 2010.

3) The number of crude oil batteries reporting production in 2010 increased by 2281, from 7576 in 2009 to 9857 in 2010. This resulted in new solution gas venting of 10.7 10^6 m^3 and new flaring of 42.2 10^6 m^3 at crude oil batteries in 2010.

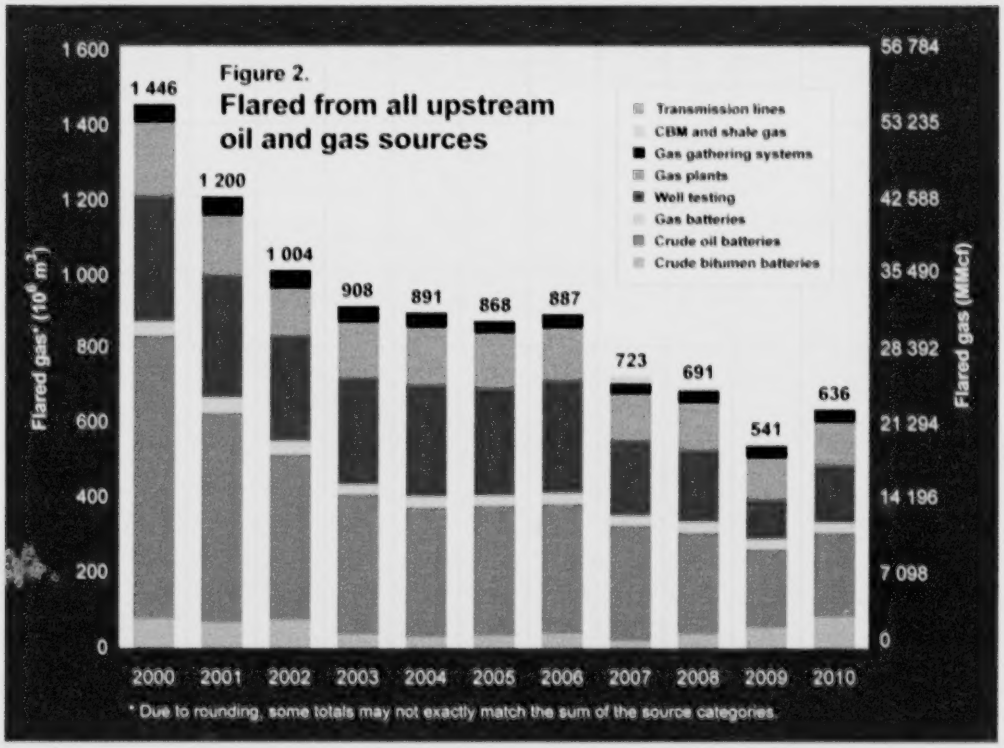
4) Revised measurement requirements: Industry awareness of the issues surrounding venting of solution gas, especially in crude bitumen areas, along with more stringent measurement and reporting requirements (see *Directive 017: Measurement Requirements for Upstream Oil and Gas Operations*), has led to more accurate measurement and reporting of the volumes of gas being vented. In many cases, this increased accuracy is resulting in higher reported vented volumes.

The oil and gas industry is constructively using a large portion of produced solution gas from crude bitumen operations as fuel to run pump motors and tank heaters. Unfortunately, conserving the remaining small volume of gas is more economically challenging. Notwithstanding the fact that gas conservation economics are more difficult respecting bitumen production, increases in flaring and venting continue to concern the ERCB.

More information on flaring and venting can be found on the ERCB Web site www.ercb.ca under Industry Zone : Rules, Regulations, Requirements : Flaring.

4 Flaring from All Upstream Oil and Gas Sources, 2000-2010

The total volume flared from all upstream oil and gas sources in 2010 was 636 10^6 m^3 (22 562 MMcf), an increase of 17.5 per cent from 2009 (see Figure 2).



The data in Table 4 were used to prepare Figure 2.

Table 4. Flaring from upstream oil and gas sources (10^6 m^3)*

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries	Well testing	Gas plants**	Gas gathering systems**	Transmission lines	CBM & shale gas	Total	Total (MMcf)
2000	76	755	36	335	196	48	0	0	1 446	51 324
2001	66	558	41	326	159	50	0	0	1 200	42 593
2002	73	441	35	280	127	48	0	0	1 004	35 636
2003	36	372	25	284	149	42	0	0	908	32 229
2004	29	343	28	300	153	38	0	0	891	31 625
2005	33	344	27	287	147	31	0	0	868	30 809
2006	39	343	28	301	140	36	0	0	887	31 483
2007	20	305	25	201	124	28	0	20	723	25 662
2008	38	268	28	192	126	32	2	6	691	24 526
2009	54	208	26	106	111	31	2	3	541	19 208
2010	**81**	**226**	**25**	**154**	**114**	**33**	**2**	**1**	**636**	**22 562**
2010 vs 2009	50.0%	8.7%	-5.2%	45.3%	2.7%	6.5%	0.0%	-67.0%	17.5%	17.5%

* Due to rounding, some totals may not exactly match the sum of the source categories.

** The figures for gas plants and gas gathering systems include both flared *and* vented volumes for the years 2000 to 2006.

In 2010, of 1060 gas plants reporting receipts, 421 gas plants reported flaring, and the total was 114 10^6 m^3 (4046 MMcf), a 2.7 per cent increase from 2009. All gas plant subtypes contribute to this report; they include sweet, acid gas flared, acid gas injection, acid gas flaring percentage, sulphur recovery, straddle, and fractionation. A total of 28 plants accounted for about 50 per cent of the volumes flared at gas plants in 2010.

In 2010, 50 per cent of the total volume flared from gas gathering systems came from 5 of the 4559 systems.

Flaring from gas batteries decreased by 5.2 per cent in 2010 compared with 2009.

Excluding well tests conducted in-line, the number of well tests flared in 2010 was 2425, compared with a total of 2699 in 2009, a decrease of 274, or 10.2 per cent. The cumulative volume of gas flared for all well tests increased by 45.35 per cent to 154 10^6 m^3 (5466 MMcf).

When considering all well tests conducted in 2010, the average gas volume flared per test was 63.51 10^3 m^3 (2.3 MMcf), compared with 39.25 10^3 m^3 (1.4 MMcf) per test in 2009, an increase of 61.8 per cent (see Table 6). This can be attributed to the increase in the number of horizontal multistage fracturing operations in 2010. It takes longer to recover load fluids and clean out wells in these operations, which results in greater flare volume and flaring duration.

Table 5. Average volume of gas flared per well test

Year	Volume (10^3 m^3)
2005	34.60
2006	40.82
2007	40.06
2008	45.60
2009	39.25
2010	63.51

Directive 060 requires that operators seek alternatives to well test flaring. Operators are required to test in-line when it is both economically viable and safe to do so. Testing in-line can mean either connecting to an existing gas gathering system directly or laying a temporary surface pipeline to connect a well to a remote gas gathering system. In either method, the gas from the well test is conserved.

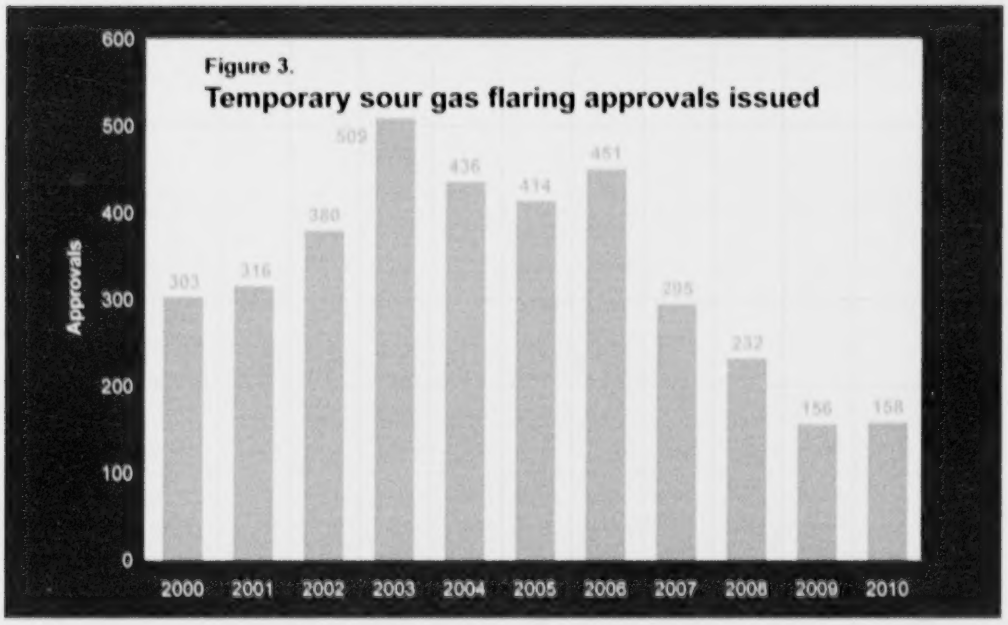
The data in Table 7 represent the flaring from well tests conducted by 25 companies in 2010 and the average volume of gas flared per test.

Table 6. Well test flaring, 2010: Top 25 ranked by number of well tests conducted

Company	Well tests (#)	Gas flared (10^6 m^3)	Gas flared (MMcf)	Average gas flared/test (10^3 m^3)	Average gas flared/test (MMcf)
EnCana Corporation	890	19.1	677.9	21.5	0.8
ConocoPhillips Canada Resources Corp.	295	15.7	557.3	53.2	1.9
Canadian Natural Resources Limited	225	3.8	134.9	16.9	0.6
Shell Canada Limited	197	0.1	3.5	0.5	0.0
Tourmaline Oil Corp.	122	10.3	365.6	84.4	3.0
Devon Canada Corporation	110	3.4	120.7	30.9	1.1
TAQA North Ltd.	85	6.5	230.7	76.5	2.7
Galleon Energy Inc.	53	2.0	71.0	37.7	1.3
Bonavista Energy Corporation	44	5.4	191.7	122.7	4.4
Husky Oil Operations Limited	41	0.3	10.6	7.3	0.3
Fairborne Energy Ltd.	40	2.6	92.3	65.0	2.3
Birchcliff Energy Ltd.	34	4.6	163.3	135.3	4.8
Peyto Exploration & Development Corp.	32	1.9	67.4	59.4	2.1
Quicksilver Resources Canada Inc.	28	0.3	10.6	10.7	0.4
Angle Energy Inc.	27	3.7	131.3	137.0	4.9
Cenovus Energy Inc.	27	0.2	7.1	7.4	0.3
Penn West Petroleum Ltd.	26	3.6	127.8	138.5	4.9
Daylight Energy Ltd.	25	3.4	120.7	136.0	4.8
Vero Energy Inc.	25	1.6	56.8	64.0	2.3
ARC Resources Ltd.	24	2.2	78.1	91.7	3.3
Celtic Exploration Ltd.	22	1.7	60.3	77.3	2.7
Advantage Oil & Gas Ltd.	18	4.4	156.2	244.4	8.7
Suncor Energy Inc.	18	0.1	3.5	5.6	0.2
Apache Canada Ltd.	17	0.5	17.7	29.4	1.0
Harvest Operations Corp.	17	0.7	24.8	41.2	1.5
Subtotal	2442	98.1	3482.0		
% of total well tests	83.1%	63.7%	63.7%		

In cases of sour gas or sour oil well testing, if the gas to be flared contains greater than 5 per cent hydrogen sulphide (H_2S) and is to be flared from a temporary flare stack (i.e., not from a facility stack), a sour gas flaring approval is required. The temporary sour gas approval process involves a detailed review of air quality dispersion modelling and is conducted to ensure that Alberta Environment's Alberta Ambient Air Quality Objectives (AAAQO) will not be exceeded. The application for a sour gas flaring approval may also include plans that document how any predicted exceedances of the AAAQO will be mitigated. When the ERCB is satisfied that the AAAQO will be met and that all other parameters, such as flared volumes and sulphur emissions, are justified and minimized, a temporary sour gas flaring approval may be issued.

In 2010, the ERCB issued 158 temporary sour gas flaring approvals, an increase from the 156 issued in 2009 (see Figure 3).



The reason for the decreases in sour gas flaring approvals since 2006 may be twofold. First, market conditions for natural gas have not been as favourable in recent years, which may have resulted in upstream oil and gas licensees rebalancing their capital and operations budgets.

Second, with the release of the revised *Directive 060* at the end of January 2007, a new allowance to flare small volumes of gas containing H_2S volumes in excess of 5 per cent without a sour gas flaring approval was introduced. With this new allowance, companies are still required to conduct dispersion modelling if the H_2S concentration of the gas to be flared is in excess of 1 per cent, and proper notification to the ERCB and public at least 24 hours in advance of flaring operations is still required.

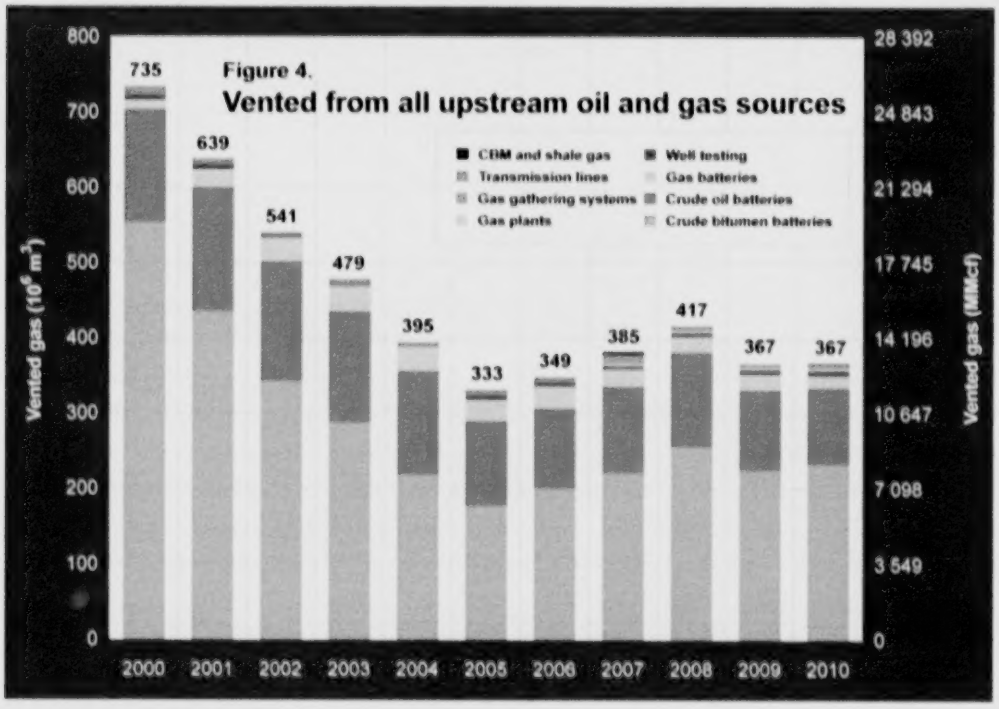
5 Venting from All Upstream Oil and Gas Sources, 2000-2010

The most significant source of venting is primary crude bitumen projects, where solution gas is vented from the production casing annulus at a large number of individual wells. In some instances, small volumes of solution gas are also vented from treaters and stock tanks at crude oil and crude bitumen batteries. Venting during well testing is primarily from shallow, sweet, low-deliverability gas wells, including coalbed methane (CBM) wells.

In *ST60B-2004: Upstream Petroleum Industry Flaring and Venting Report, 2003*, the EUB (now the ERCB) made commitments to identify and implement a number of conservation measures aimed at reducing the volumes of solution gas vented from crude bitumen operations. As a result of the EUB implementing the measures and industry awareness of them, there was a net decrease in venting from crude bitumen batteries between 2004 and 2007. However, in 2008 this trend was reversed and there was an increase of 16.9 per cent compared with 2004. In 2010, there was a 6.4 per cent increase in venting from crude bitumen batteries compared with 2004.

In 2010, venting from crude bitumen operations increased by 3.6 per cent to 233 10^6 m^3 (8270 MMcf) from 225 10^6 m^3 (7986 MMcf) in 2009. Crude bitumen production grew by 6.70 10^6 m^3 to 44.9 10^6 m^3 in 2010, an increase of 17.5 per cent compared with 2009. The increase in solution gas venting can be correlated with the fact that there were 1007 more bitumen wells that operated in 2010 compared with 2009.

Figure 4 shows vented volumes broken down by source for 2000 to 2010. The total volume vented from all upstream oil and gas sources in 2010 was 367 10^6 m^3 (13 026 MMcf), a decrease of 0.1 per cent, from 2009.



The data in Table 7 were used to prepare Figure 4.

Table 7. Venting from upstream oil and gas sources (10^6 m^3)*

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries	Well testing	Gas plant**	Gas gathering systems**	Transmission lines	CBM & shale gas	Total	Total (MMcf)
2000	554	150	12	7	0	0	12	0	735	26 088
2001	436	164	24	7	0	0	8	0	639	22 681
2002	343	159	31	3	0	0	5	0	541	19 202
2003	288	147	34	2	0	0	8	0	479	17 002
2004	219	137	33	1	0	0	5	0	395	14 020
2005	177	113	28	6	0	0	8	0	332	11 784
2006	201	105	30	5	0	0	8	0	349	12 387
2007	221	115	23	4	0	0	8	3	375	13 299
2008	256	125	21	5	2	5	3	0	417	14 797
2009	225	106	21	6	3	3	3	0.2	367	13 033
2010	233	101	16	7	3	4	3	0.1	367	13 026
2010 vs 2009	3.6%	-4.7%	-25.5%	21.0%	0.0%	33.3%	0.0%	-50.0%	-0.1%	-0.1%

* Due to rounding, some totals may not exactly match the sum of the source categories.

** Venting numbers were not available for 2000 to 2006.

Table 7 shows the yearly changes in crude bitumen and crude oil battery venting since the release of the 2003 edition of *Directive 060*. An increase in vented volumes from well testing can also be seen. Vented volumes from transmission lines remained unchanged. Transmission line operators, which are regulated by the Alberta Utilities Commission or the National Energy Board, voluntarily submit data to the ERCB for the purposes of this report. Also included in Table 7 are gas plant and gas gathering venting data.

In 2000, improved reporting and measurement resulted in a more accurate differentiation between flared and vented volumes. As a result, gas that had been incorrectly reported in previous years as flared was correctly reported as vented. This correction gave the appearance of an increase in vented volumes.

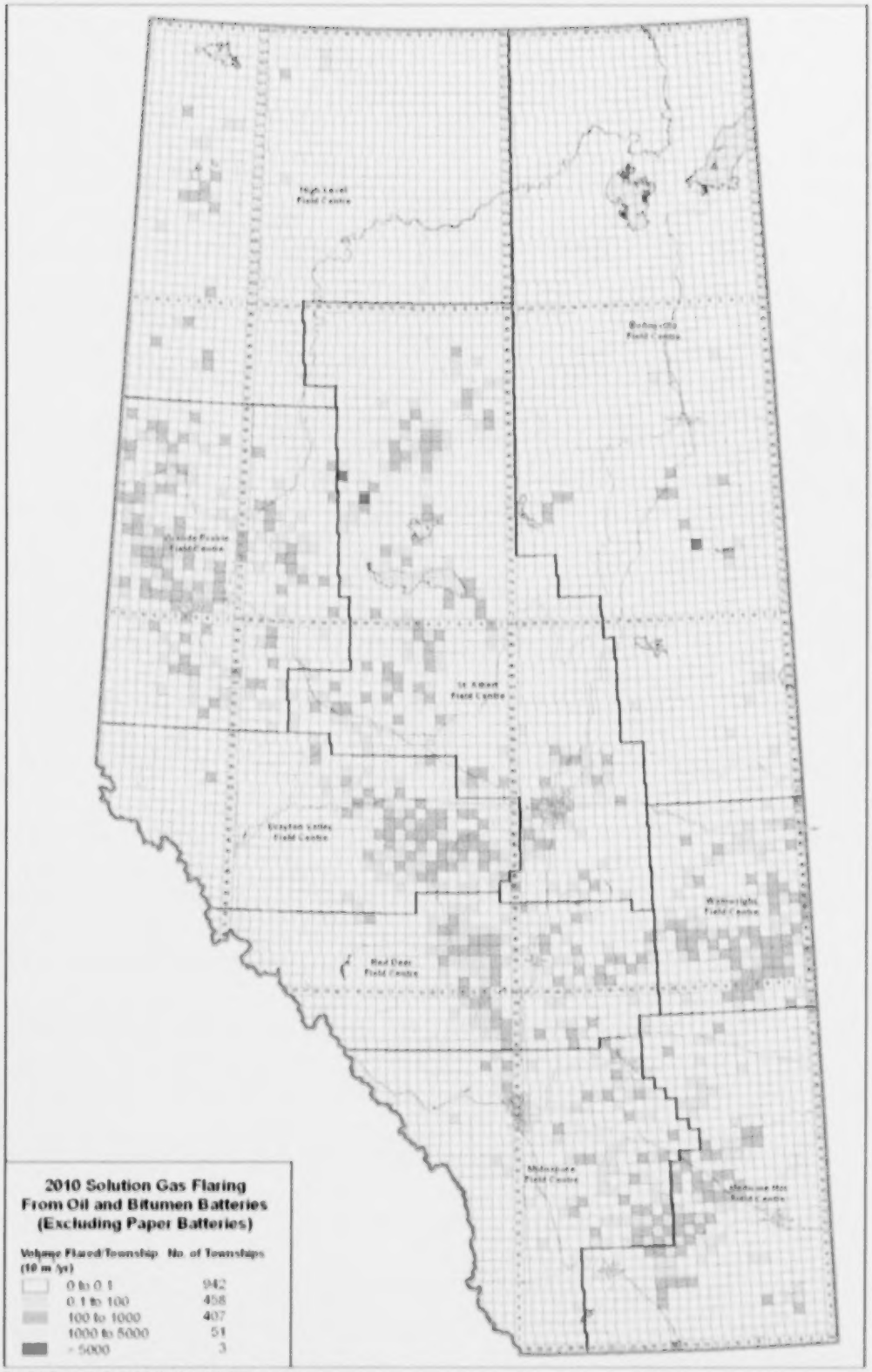
Although the ERCB does not collect data on the emissions of greenhouse gases per se, it is concerned about the impact that these gases can have on the environment. Accordingly, *Directive 060* requires that vented gas that can sustain continuous combustion and has been shown to be economically unviable to conserve must be burned.

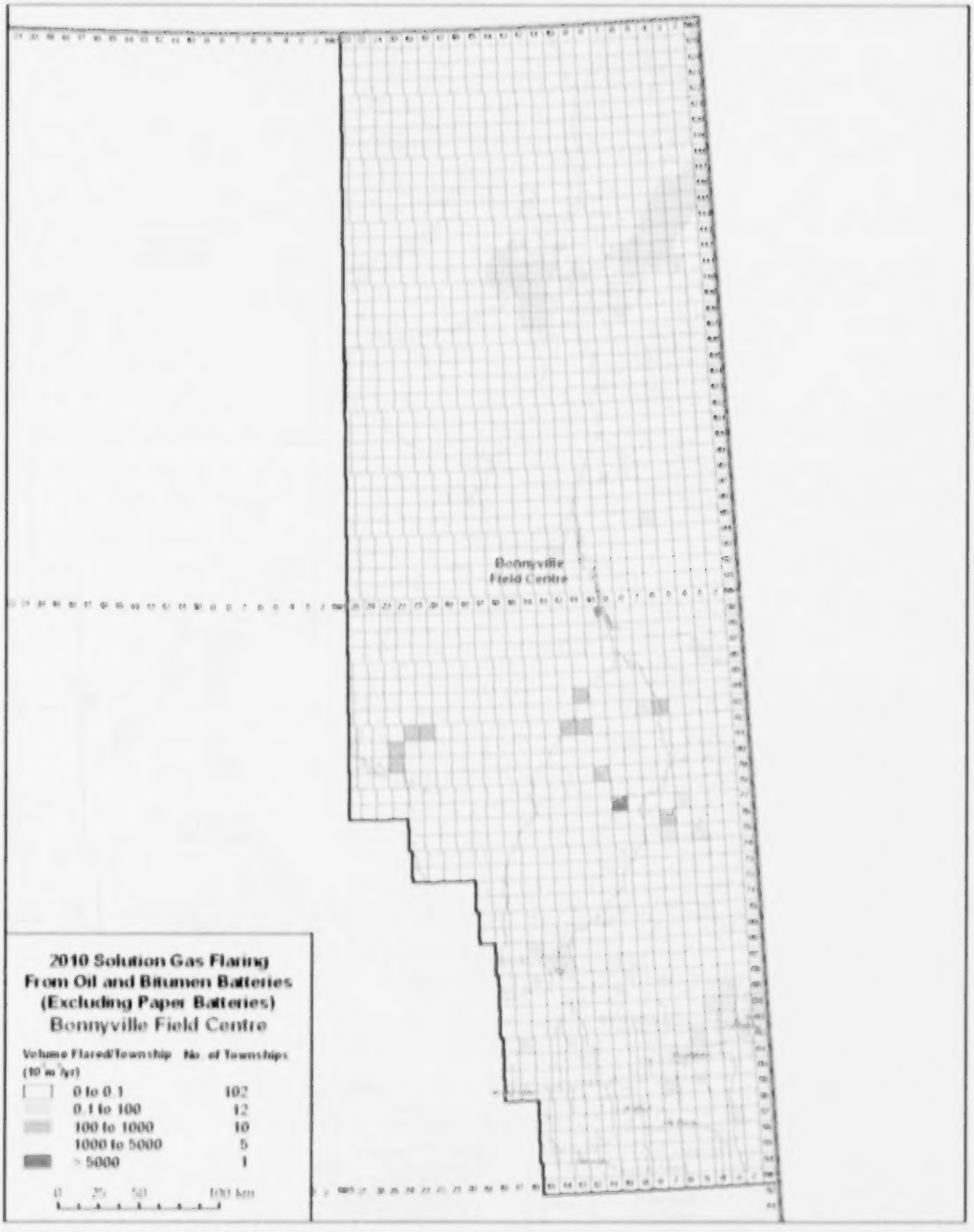
6 Solution Gas Flaring and Venting Maps

In the maps that follow, solution gas flaring and venting data are depicted geographically by township within the province as a whole and within each of the ERCB Field Centre area boundaries. The maps graphically show the townships in which flaring and venting volumes are significant.

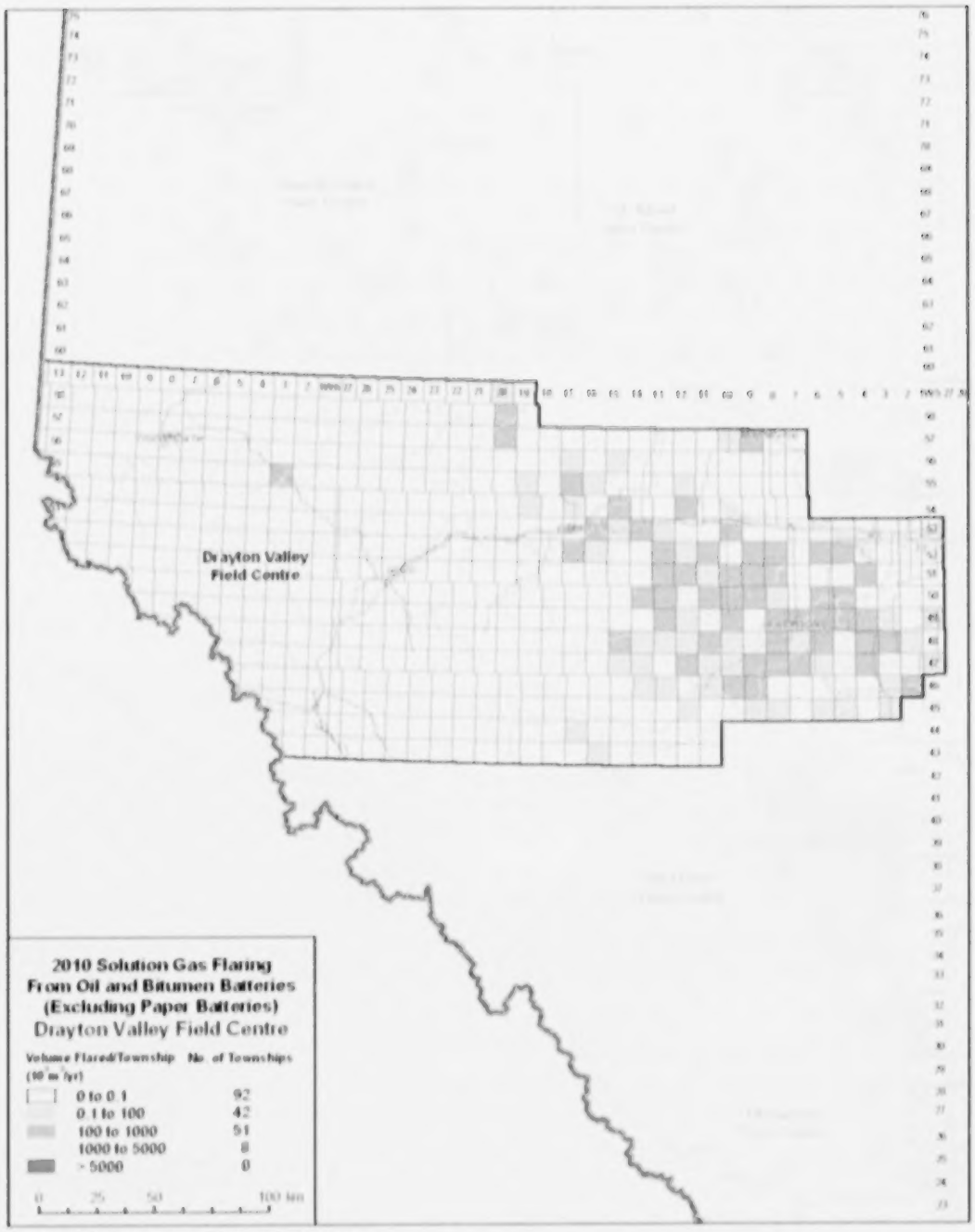
The maps do not display data derived from "paper batteries." Paper batteries are an administrative reporting entity used by production accountants to report production from multiple wells to a single reporting location. Including paper batteries in these maps could result in the incorrect representation of flaring and venting data in townships where the flaring or venting did not actually occur. Flaring and venting from paper batteries are accounted for in the ranking tables of this report.

- Solution Gas Flaring
  - Alberta
  - Bonnyville Field Centre Area
  - Drayton Valley Field Centre Area
  - Grande Prairie Field Centre Area
  - High Level Field Centre Area
  - Medicine Hat Field Centre Area
  - Midnapore Field Centre Area
  - Red Deer Field Centre Area
  - St. Albert Field Centre Area
  - Wainwright Field Centre Area
- Solution Gas Venting
  - Alberta
  - Bonnyville Field Centre Area
  - Drayton Valley Field Centre Area
  - Grande Prairie Field Centre Area
  - High Level Field Centre Area
  - Medicine Hat Field Centre Area
  - Midnapore Field Centre Area
  - Red Deer Field Centre Area
  - St. Albert Field Centre Area
  - Wainwright Field Centre Area

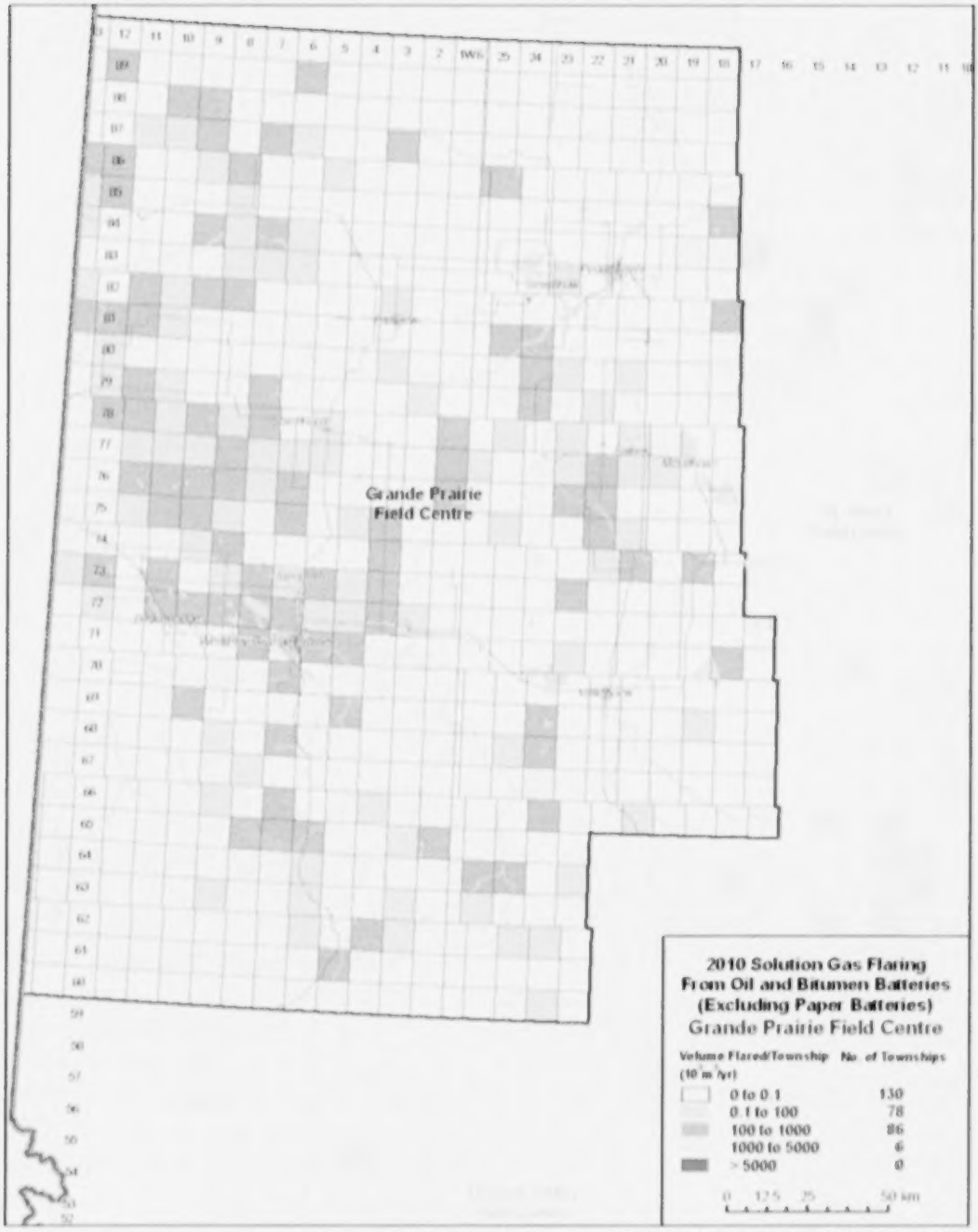

2010 Solution Gas Flaring
From Oil and Bitumen Batteries
(Excluding Paper Batteries)
Volume Flared/Township (10 m³/yr)
No. of Townships
0 to 0.1 942
0.1 to 100 458
100 to 1000 407
1000 to 5000 51
> 5000 3



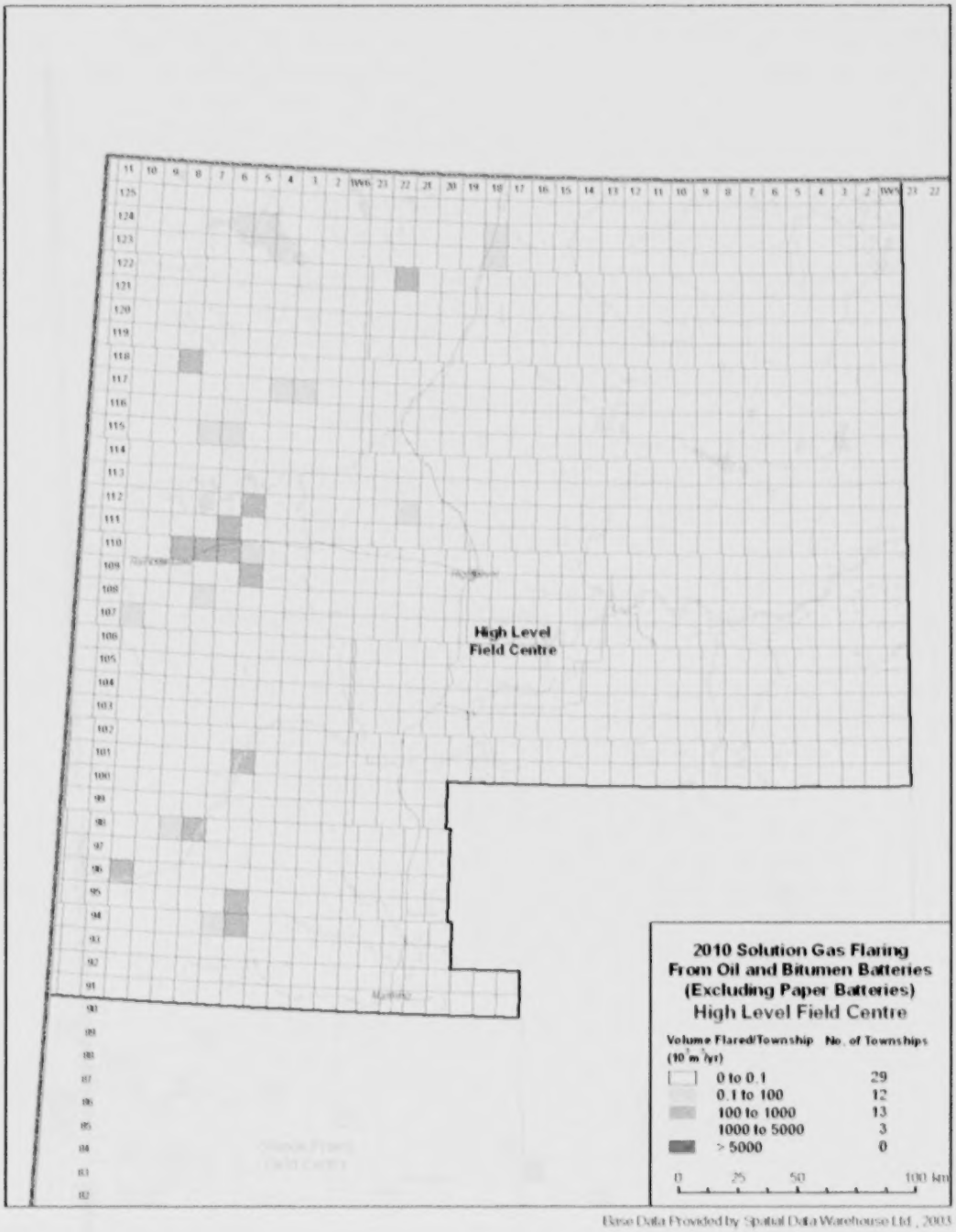
Base Data Provided by Spatial Data Warehouse Ltd., 2011



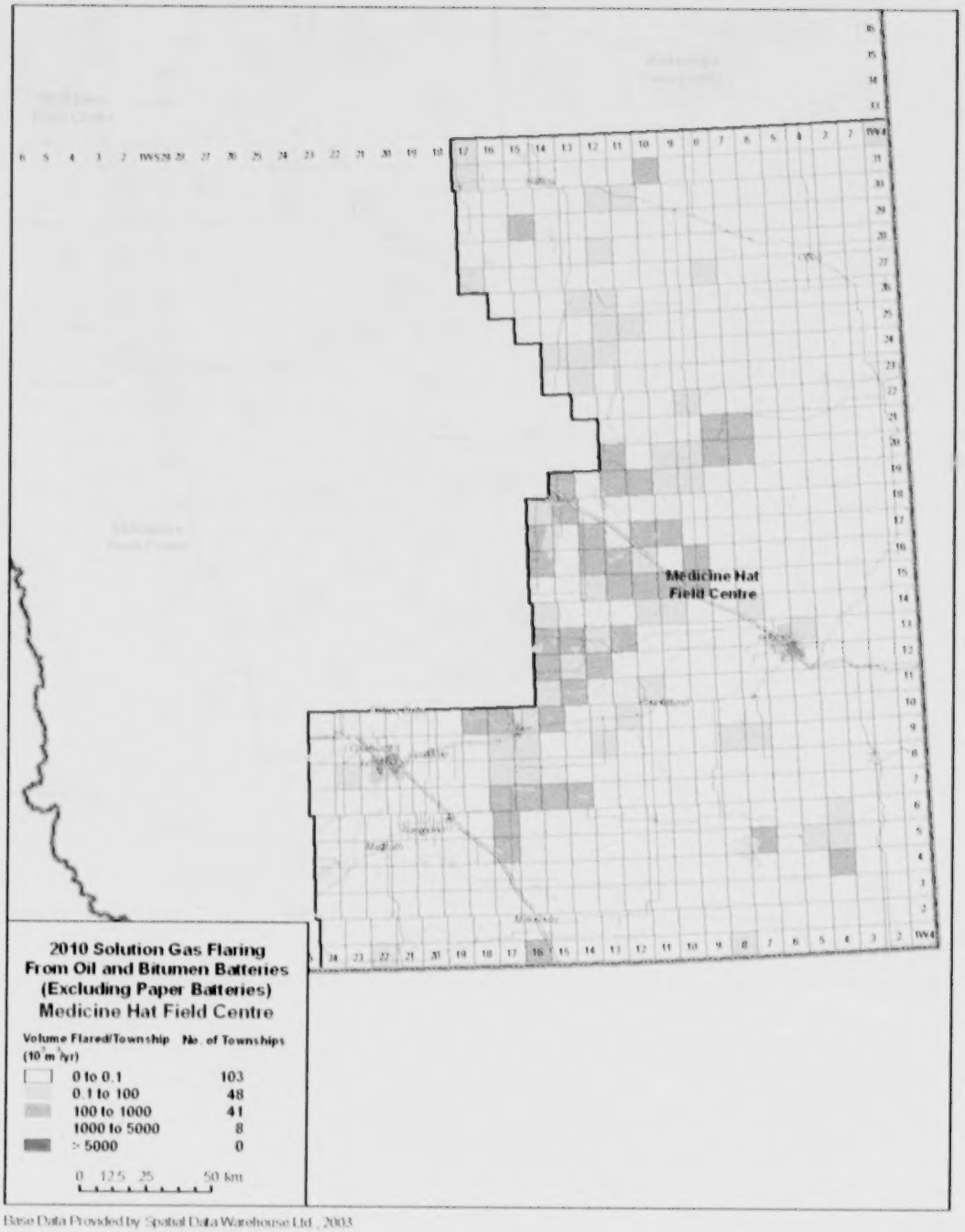
Base Data Provided by Spatial Data Warehouse Ltd., 2003



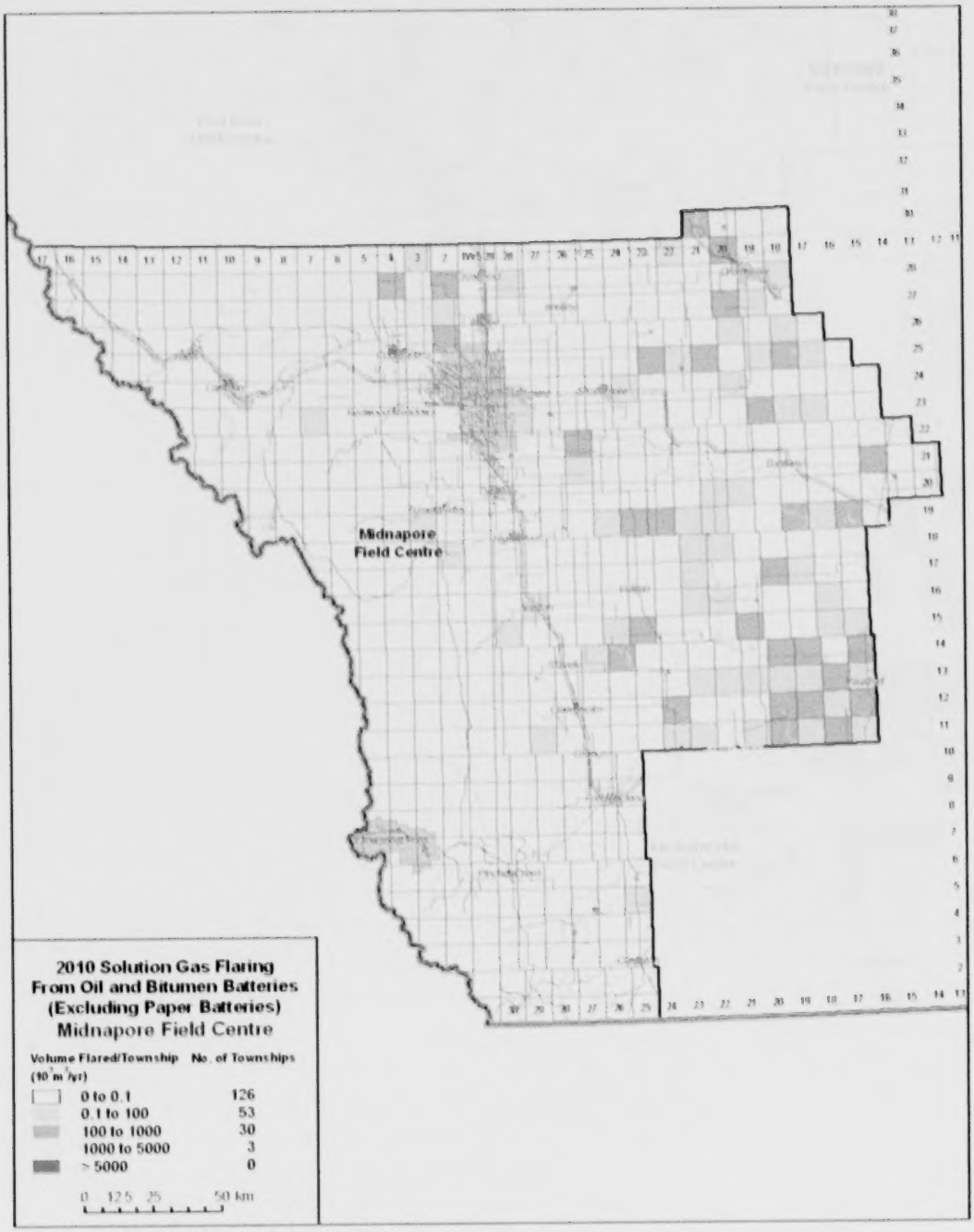
Base Data Provided By: Spatial Data Warehouse Ltd., 2003



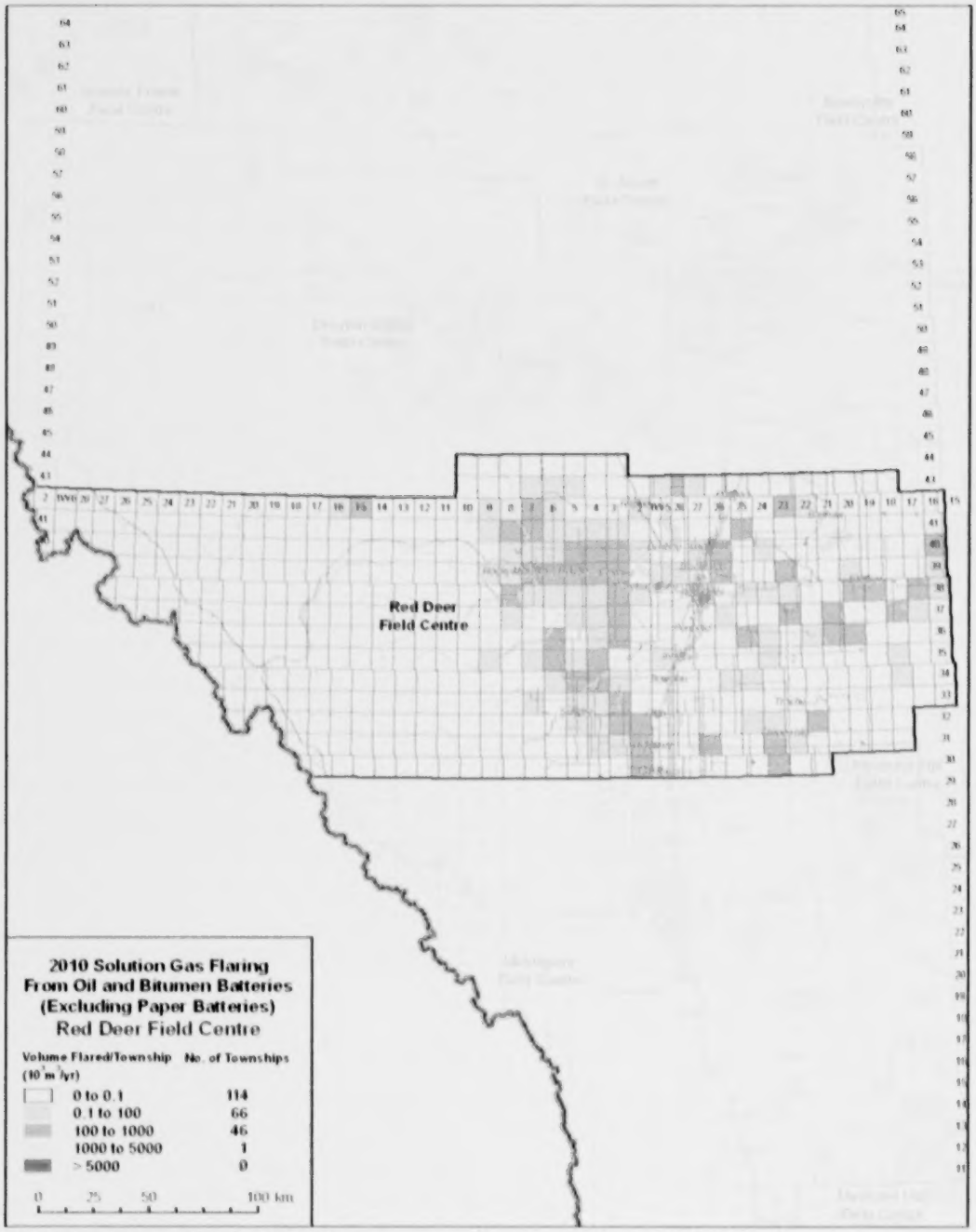
Base Data Provided by Spatial Data Warehouse Ltd., 2003



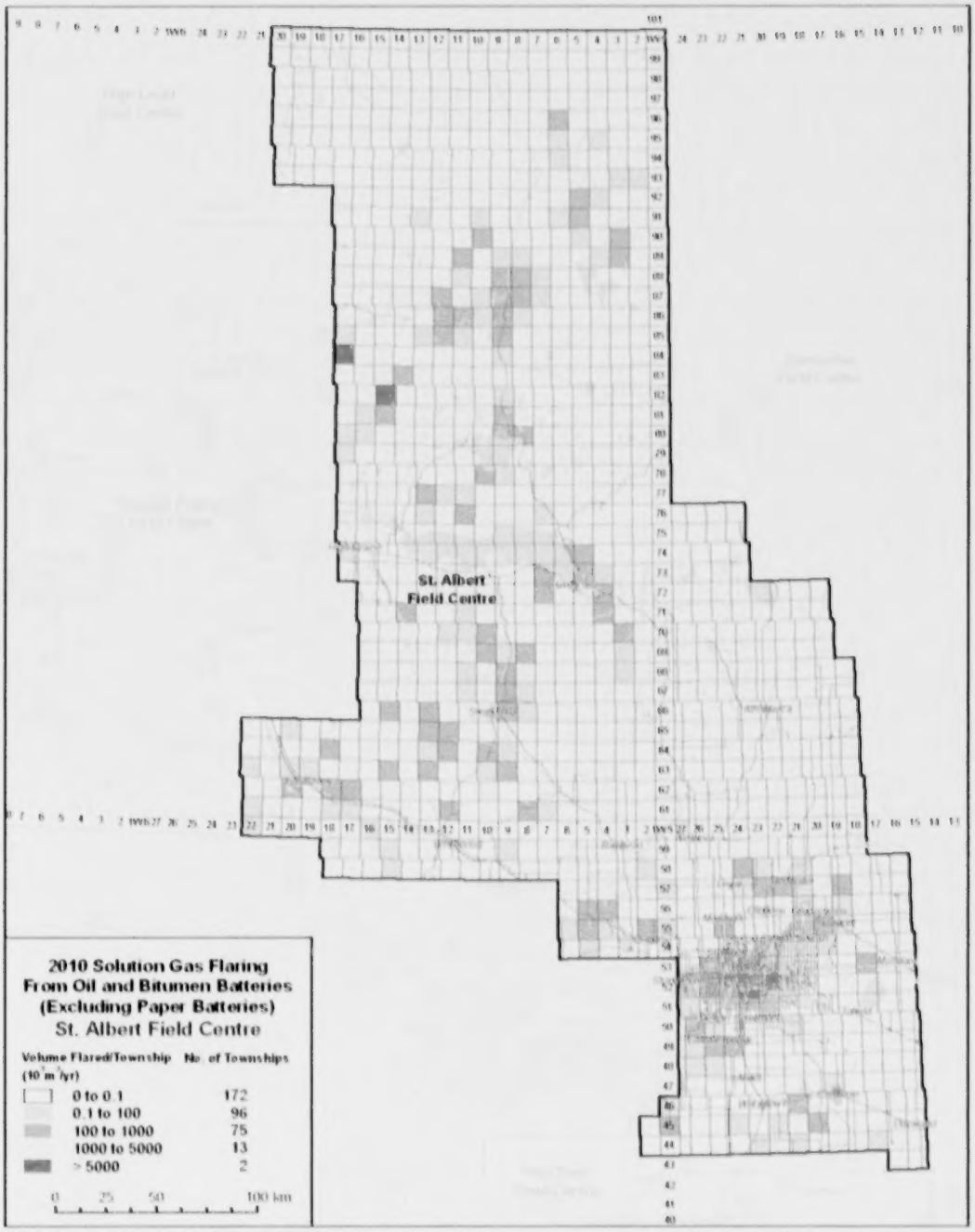
Base Data Provided by Spatial Data Warehouse Ltd., 2003



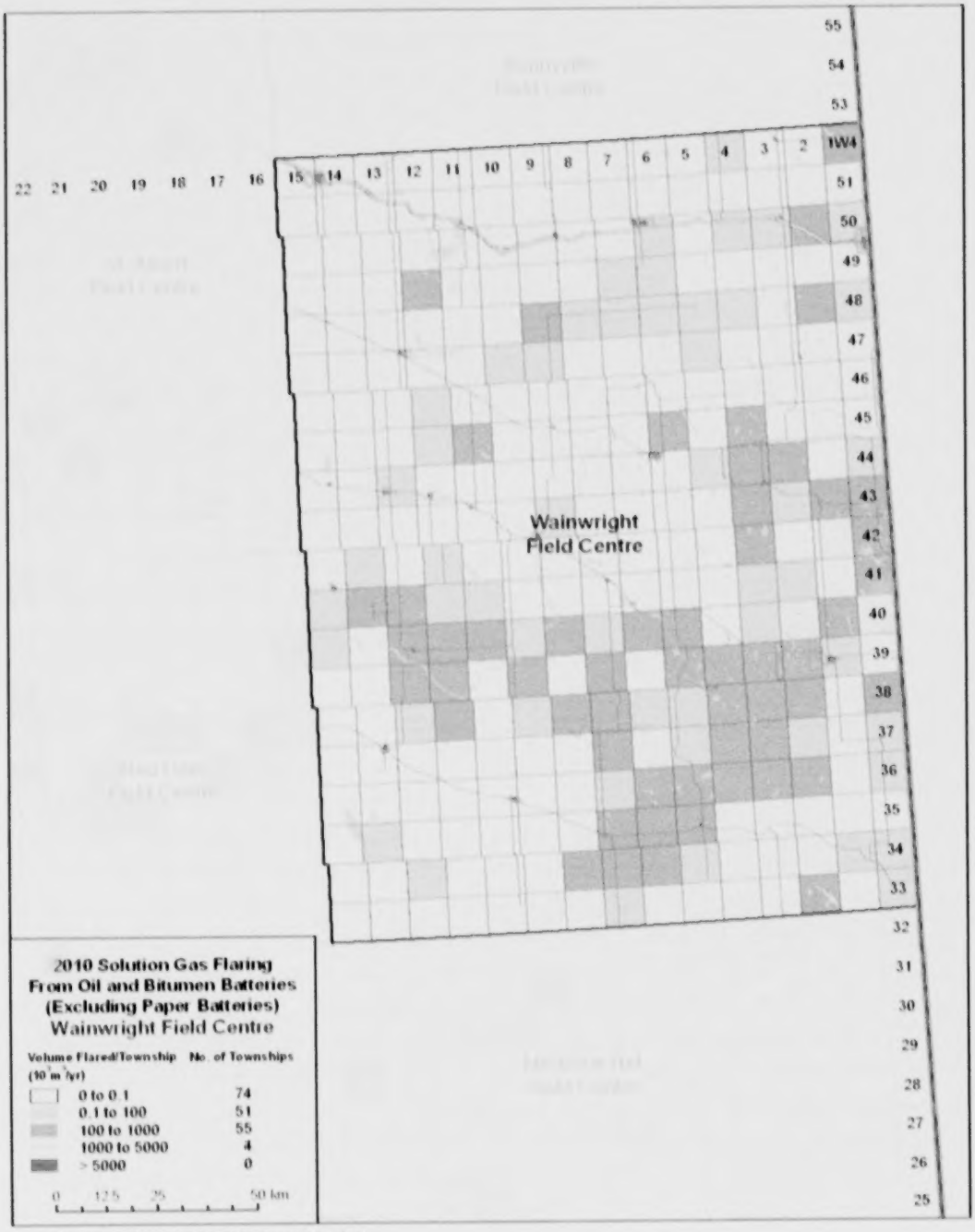
Base Data Provided by Spatial Data Warehouse Ltd., 2003



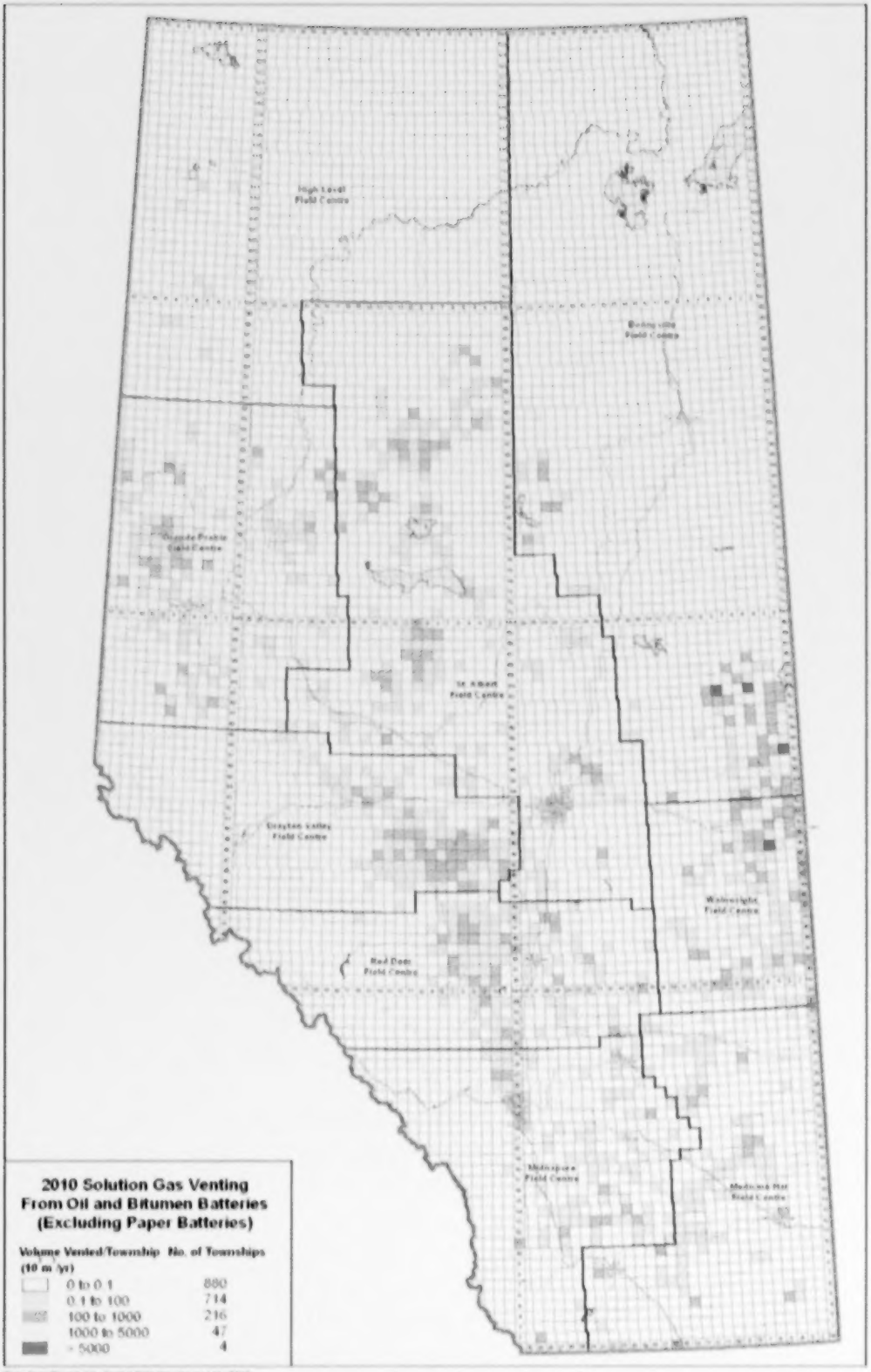
Base Data Provided by Spatial Data Warehouse Ltd., 2003

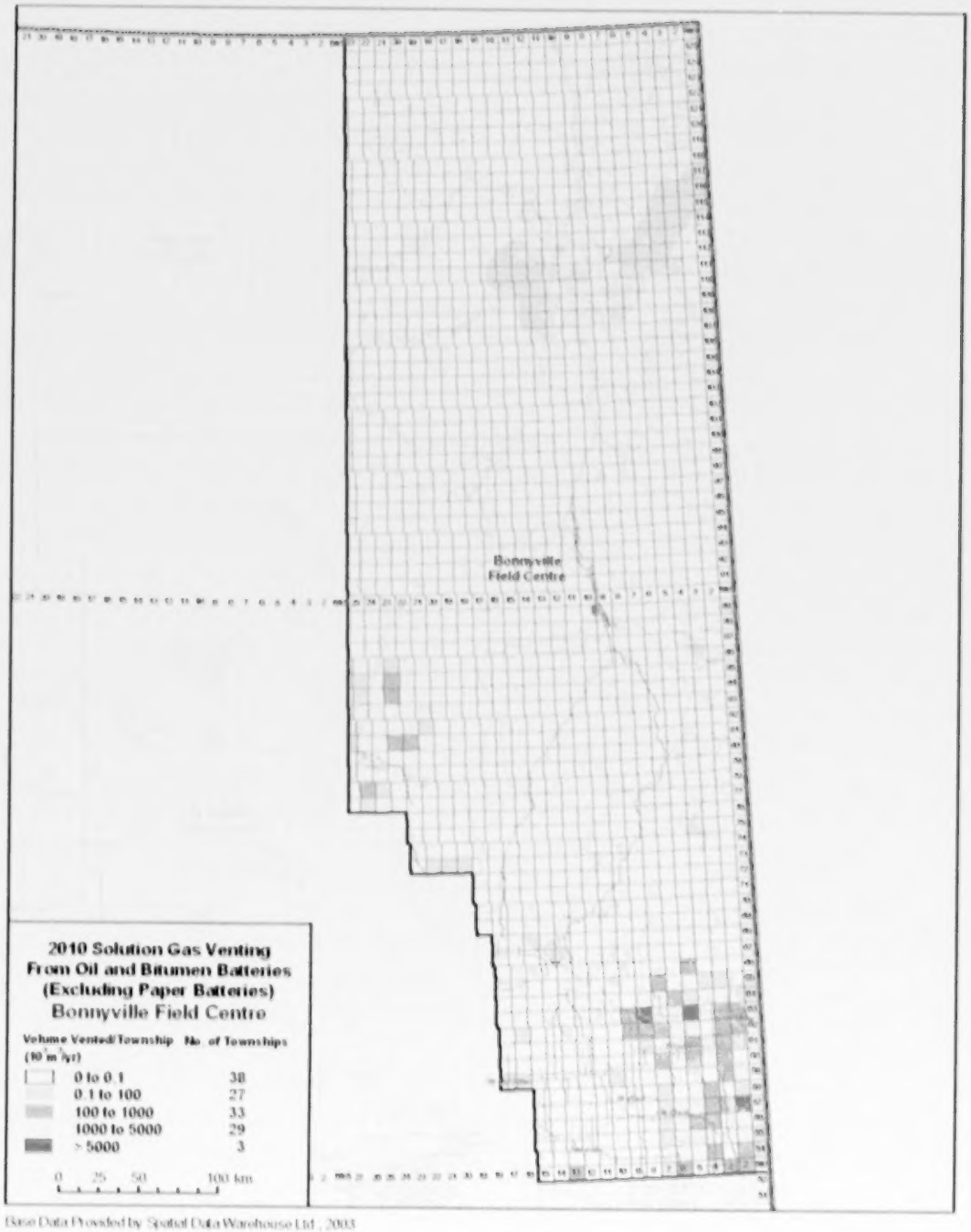


Base Data Provided by Spatial Data Warehouse Ltd., 2003

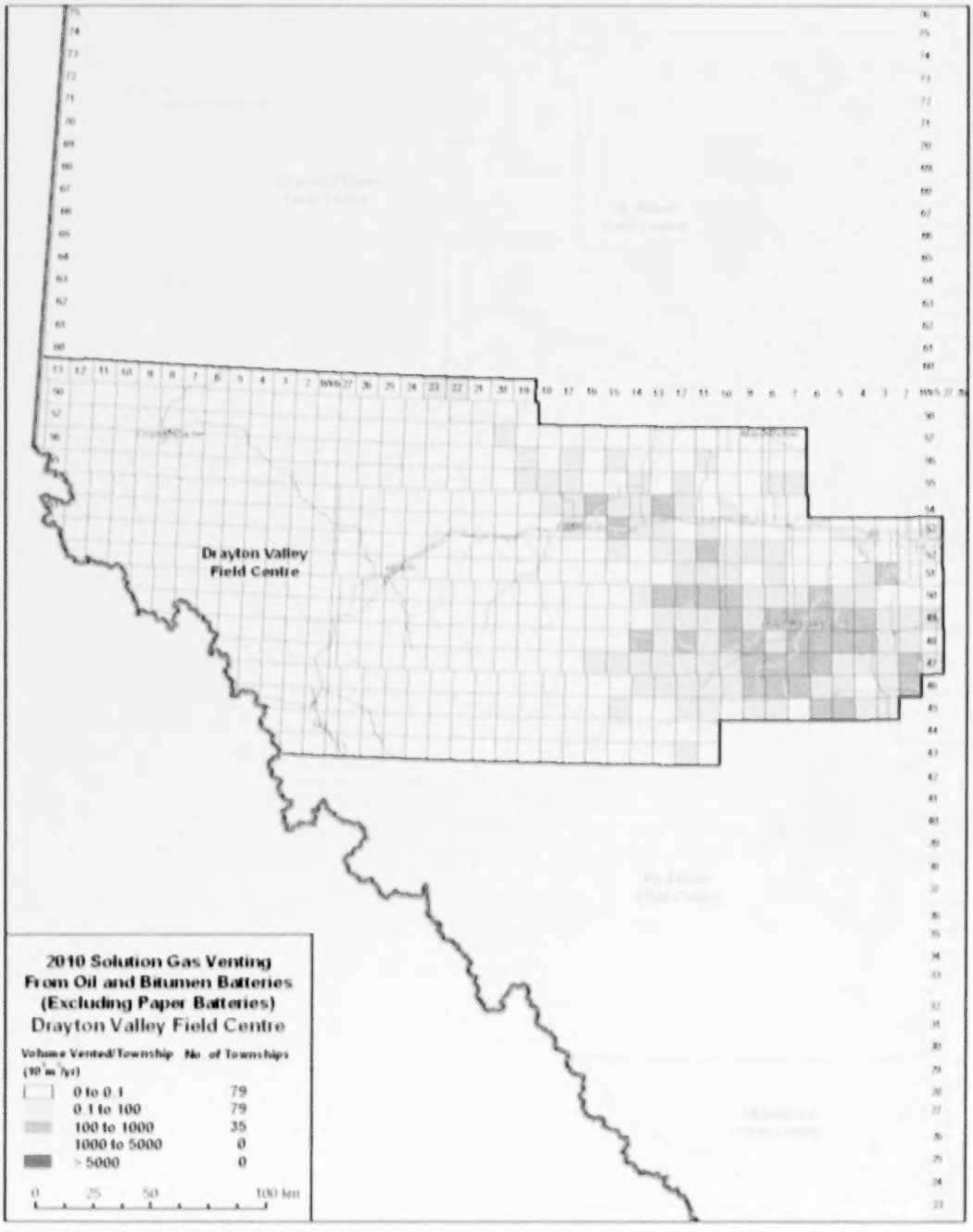


Base Data Provided by Spatial Data Warehouse Ltd., 2003

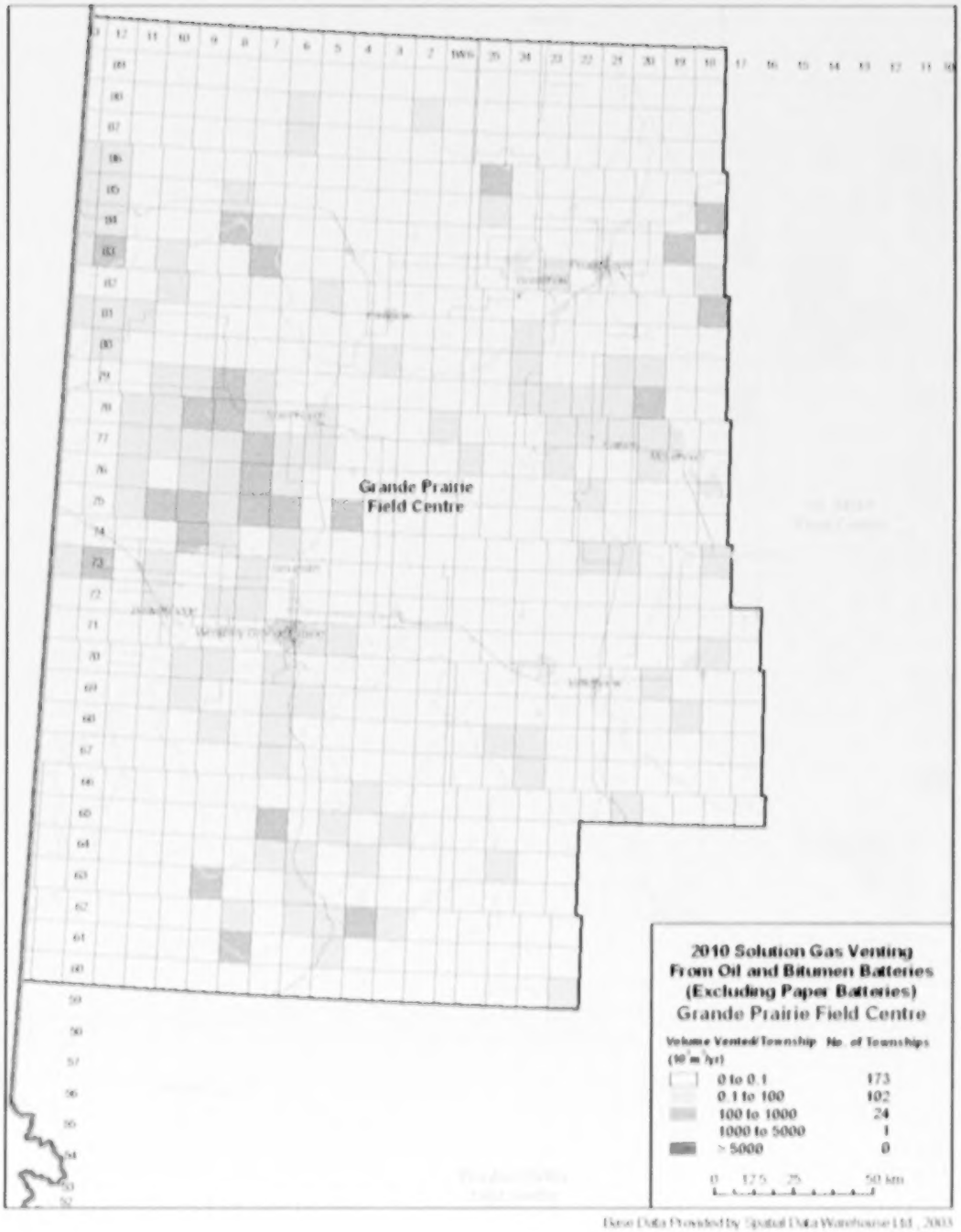

2010 Solution Gas Venting
From Oil and Bitumen Batteries
(Excluding Paper Batteries)
Volume Vented/Township (10 m³/yr)
No. of Townships
0 to 0.1 880
0.1 to 100 714
100 to 1000 216
1000 to 5000 47
> 5000 4
High Level Field Centre
Red Deer Field Centre
Medicine Hat Field Centre

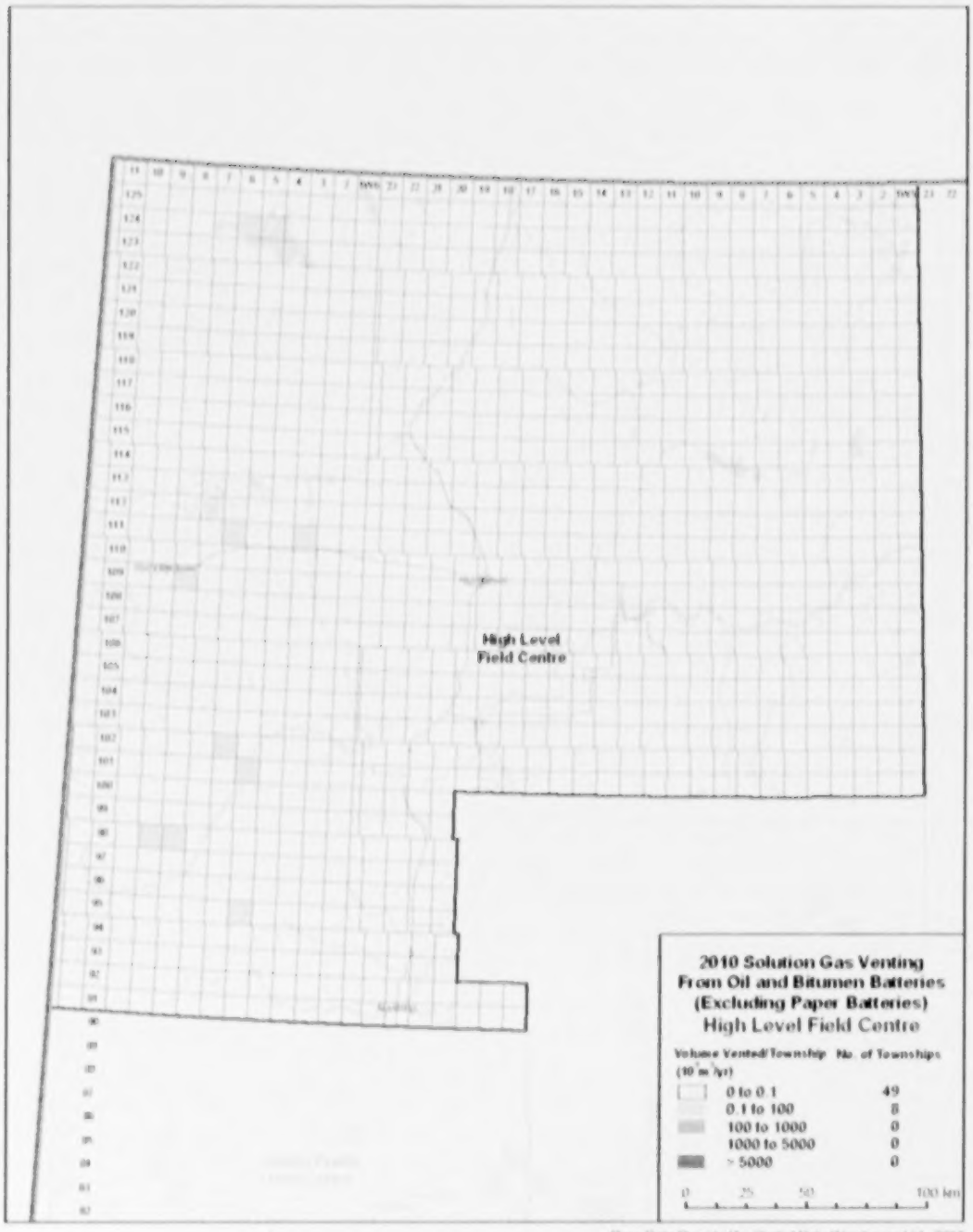


Base Data Provided by Spatial Data Warehouse Ltd., 2003



Base Data Provided by Spatial Data Warehouse Ltd., 2003


Grande Prairie
Field Centre
2010 Solution Gas Venting
From Oil and Bitumen Batteries
(Excluding Paper Batteries)
Grande Prairie Field Centre
Volume Vented/Township (10³ m³/yr)
No. of Townships
0 to 0.1 173
0.1 to 100 102
100 to 1000 24
1000 to 5000 1
> 5000 0
0 12.5 25 50 km
Base Data Provided by Spatial Data Warehouse Ltd., 2003



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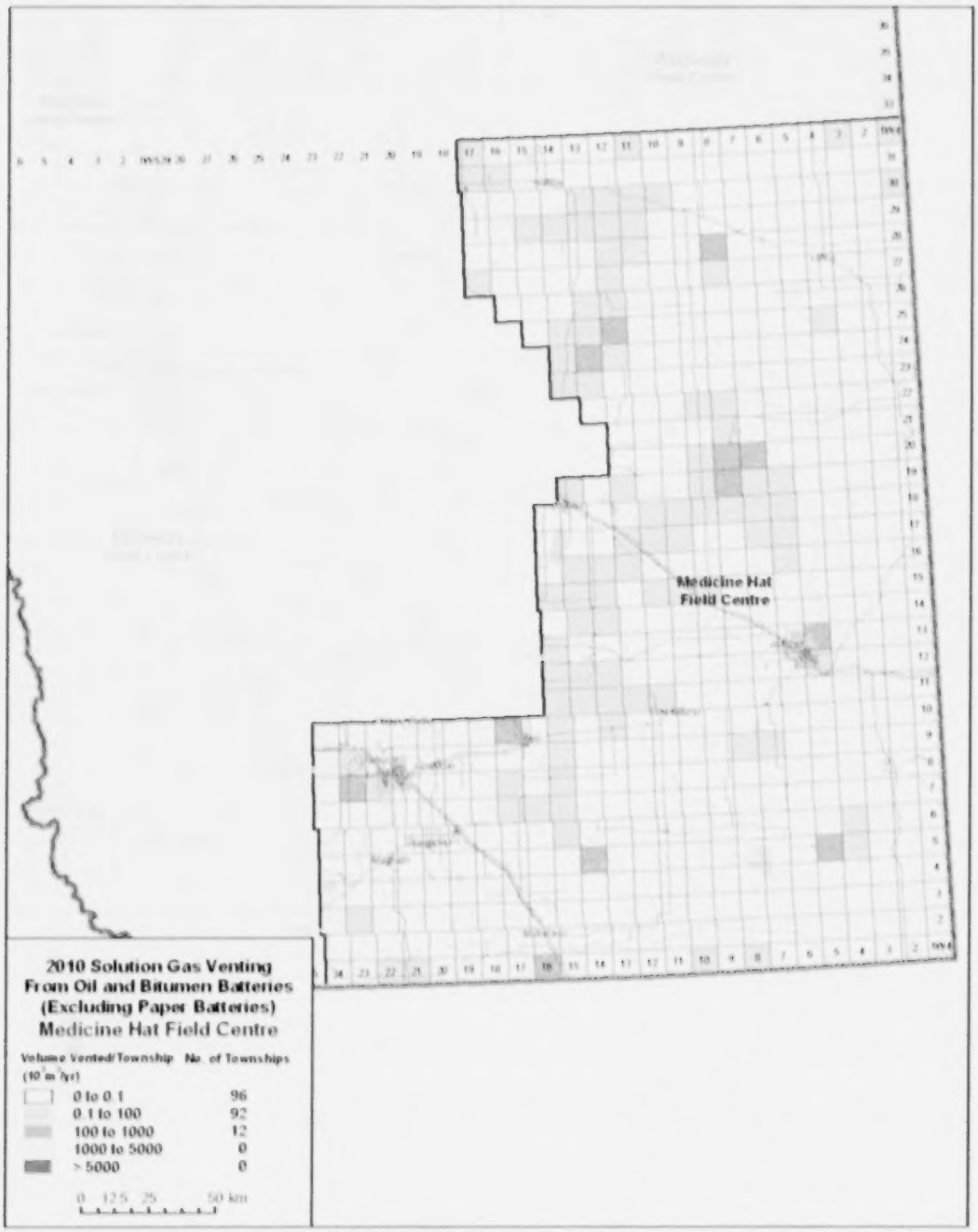
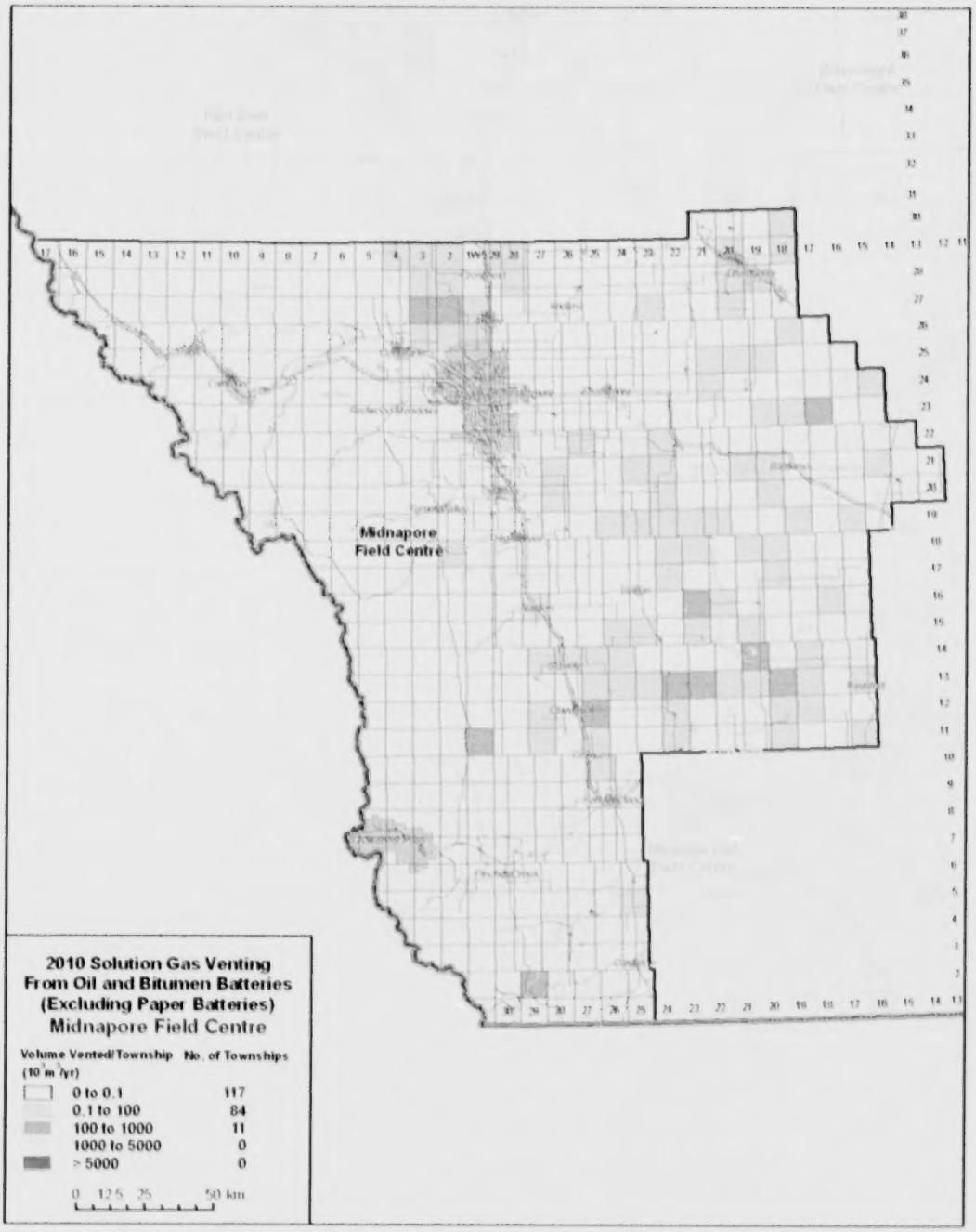
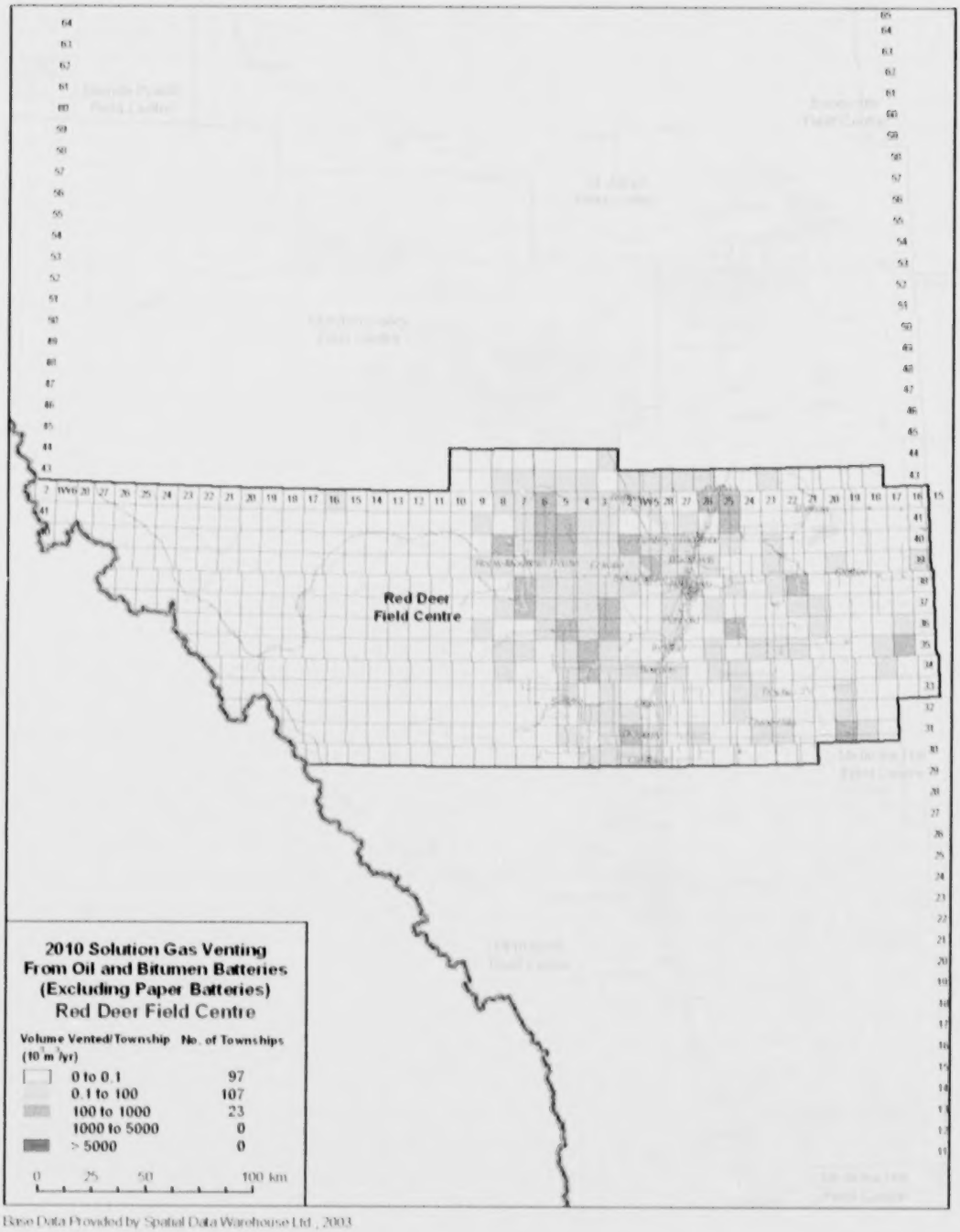


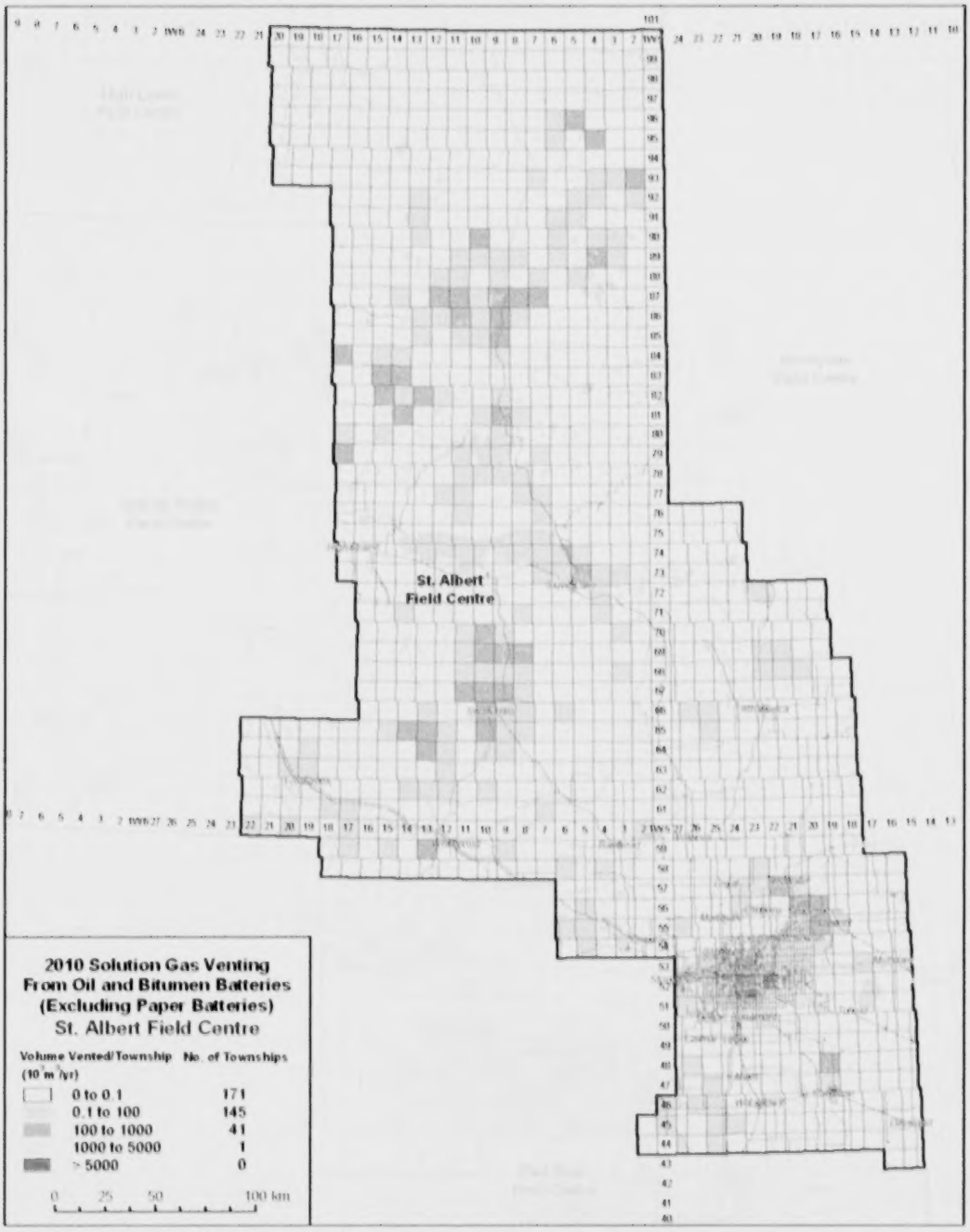
Base Data Provided by Spatial Data Warehouse Ltd., 2003



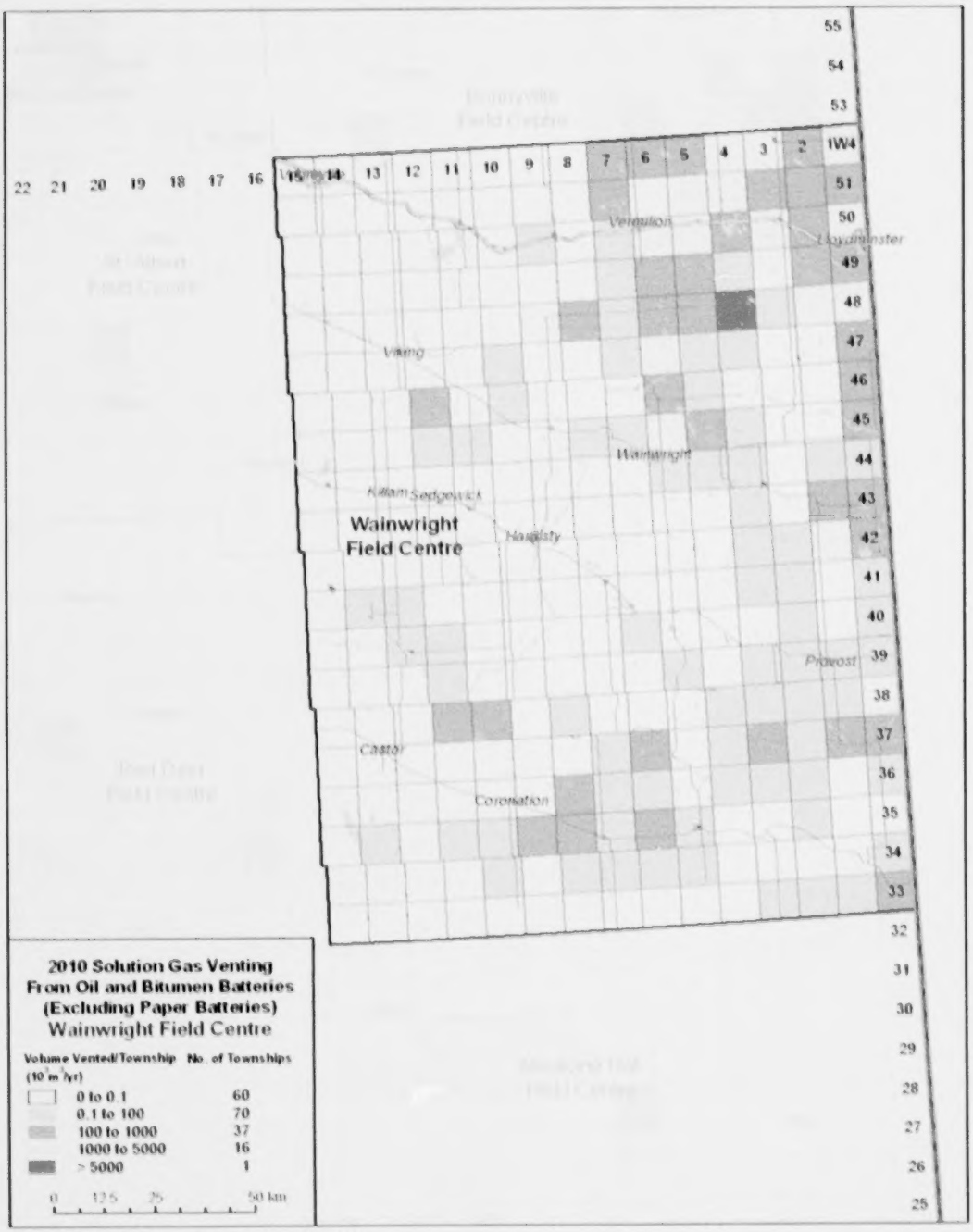
Base Data Provided by Spatial Data Warehouse Ltd., 2003



Base Data Provided by Spatial Data Warehouse Ltd., 2003



Base Data Provided by Spatial Data Warehouse Ltd., 2003



Base Data Provided by Spatial Data Warehouse Ltd., 2003

7 Solution Gas Emissions Ranking of Operators for 2010

The ERCB has ranked companies based on volumes of flared plus vented solution gas and vented solution gas from operated crude oil and crude bitumen batteries. The tables in Section 8 provide information on individual companies. The second column in the tables shows the percentage of solution gas conserved by an operator. Individual operators' performance can be compared with the provincial average of 95.4 per cent solution gas conservation.

In this analysis, all crude oil and crude bitumen batteries have been included except for batteries that had an experimental well reporting fluid production in a month. The information on experimental wells remains confidential.

Note that it is possible for an operator to flare or vent a significant volume of solution gas due to the magnitude of the company's operations and still have a high percentage of gas conserved.

Companies are also ranked provincewide and within each ERCB Field Centre area. The following describes the fields that appear in the ranking tables:

COMPANY—Name of company operating crude oil and crude bitumen batteries.

GAS CONS—Percentage of solution gas conserved:
(Solution Gas Produced – Flared Gas – Vented Gas) / Solution Gas Produced x 100.

GAS CONS CHANGE—Percentage change in gas conservation from the previous year. Blanks represent companies that did not report in 2010 due to mergers, name changes, acquisitions, etc.

GAS FLARED + VENTED (1000 m^3)—Solution gas flared plus vented from operated crude oil and crude bitumen batteries.

GAS FLARED + VENTED RANK—The company's ranking compared with other companies based on the operated volume of solution gas flared plus vented.

GAS FLARED (1000 m^3)—Solution gas flared from operated crude oil and crude bitumen batteries.

FLARE RANK—The company's ranking compared with other companies based on the operated volume of solution gas flared.

GAS VENTED (1000 m^3)—Solution gas vented from operated crude oil and crude bitumen batteries.

VENT RANK—The company's ranking compared with other companies based on the operated volume of solution gas vented.

OIL PROD (m^3)—Volume of crude oil and in situ crude bitumen produced from operated crude oil and crude bitumen batteries.

SOLN GAS PROD (1000 m^3)—Volume of solution gas produced from operated crude oil and crude bitumen batteries.

SOLN GAS RANK—The company's ranking compared with other companies based on the operated volume of solution gas produced.

8 Tables

In the tables that follow, the companies are ranked and listed based on solution gas flared plus vented from facilities operated by the company in 2010. Each table gives a total at the end for the Field Centre area covered.

- Operators with Largest Solution Gas Produced Volumes in 2010
- Operators with Largest Solution Gas Vented Volumes in 2010
- Provincial Ranking of Operators—2010 Conservation Performance
- Field Centre Ranking of Operators—2010 Conservation Performance

OPERATORS WITH LARGEST SOLUTION GAS PRODUCED VOLUMES IN 2010[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)	GAS RANK
Husky Oil Operations Limited	97.4%	0.3%	48,675.6	2	13,182.6	4.0	35,493.0	2	3,462,597.7	**1,898,980.5**	**1**
Canadian Natural Resources Limited	85.3%	-0.7%	179,465.3	1	11,655.0	5.0	167,810.3	1	12,530,898.7	**1,219,385.1**	**2**
Penn West Petroleum Ltd.	96.8%		37,163.0	3	26,469.2	1.0	10,693.8	5	2,730,486.9	**1,165,386.5**	**3**
Imperial Oil Resources	99.6%	0.0%	4,083.3	24	3,763.4	18.0	319.9	44	8,731,491.3	**1,063,864.2**	**4**
NAL Resources Limited	99.2%	-0.5%	4,140.2	23	3,305.7	20.0	834.5	26	576,777.1	**543,112.9**	**5**
Devon Canada	93.1%	3.8%	36,135.7	4	6,724.4	11.0	29,411.3	3	4,899,365.6	**526,372.4**	**6**
ARC Resources Ltd.	98.8%	0.0%	4,986.0	19	4,388.2	15.0	597.8	34	834,838.6	**418,370.0**	**7**
Pengrowth Corporation	97.7%	-0.3%	8,986.7	11	7,547.8	8.0	1,438.9	15	1,082,769.6	**384,441.0**	**8**
Apache Canada Ltd.	96.9%	1.3%	10,167.1	9	6,994.2	9.0	3,172.9	11	707,333.7	**326,250.5**	**9**
Bonavista Petroleum Ltd.	91.6%	-2.5%	26,041.5	5	5,279.3	12.0	20,762.2	4	718,204.1	**310,321.4**	**10**
Taqa North Ltd.	98.2%	0.4%	4,740.8	20	4,128.8	16.0	612.0	32	361,472.9	**268,119.4**	**11**
Glencoe Resources Ltd.	99.5%		1,213.6	54	0.4	271.0	1,213.2	20	37,500.0	**247,933.9**	**12**
Daylight Energy Ltd.	97.3%		6,533.7	14	4,608.6	14.0	1,925.1	13	761,690.9	**245,961.4**	**13**
Harvest Operations Corp.	92.3%	0.3%	17,905.0	7	11,610.7	6.0	6,294.3	6	1,295,857.3	**233,329.5**	**14**
ConocoPhillips Canada (BRC) Partnership	99.7%	2.3%	663.5	83	350.2	103.0	313.3	45	224,007.4	**229,291.8**	**15**
Cenovus Energy Inc.	97.2%		6,236.1	16	1,904.6	36.0	4,331.5	10	2,607,964.9	**220,721.6**	**16**
Conocophillips Western Canada Partnership	99.7%	0.1%	637.8	85	634.7	71.0	3.1	213	227,990.3	**196,283.5**	**17**
Conocophillips Canada Energy Partnership	97.4%	0.0%	4,475.9	21	3,082.7	23.0	1,393.2	17	243,887.3	**172,938.8**	**18**
Shell Canada Energy	84.7%	4.5%	25,064.3	6	22,803.3	2.0	2,261.0	12	1,320,143.3	**163,924.3**	**19**
Advantage Oil & Gas Ltd.	98.2%	-0.7%	2,309.5	36	1,038.7	54.0	1,270.8	18	168,134.1	**131,500.9**	**20**
Talisman Energy Inc.	92.0%	-3.7%	9,755.2	10	5,162.1	13.0	4,593.1	8	712,211.9	**122,239.8**	**21**
BP Canada Energy Company	99.7%		305.7	130	265.0	118.0	40.7	131	10,386.8	**112,672.4**	**22**
Enermark Inc.	97.9%	0.4%	2,293.8	37	1,210.1	47.0	1,083.7	21	476,926.7	**109,587.9**	**23**
Enerplus Resources Corporation	99.0%	1.4%	1,090.3	63	908.8	55.0	181.5	64	269,393.9	**104,286.6**	**24**
Trilogy Resources Ltd.	98.2%		1,814.9	43	1,631.7	39.0	183.2	63	186,935.7	**103,183.6**	**25**
SUBTOTAL			**444,884.5**		**148,650.2**		**296,234.3**		**45,179,256.7**	**10,518,459.9**	
% OF PROVINCIAL TOTAL			**72.2%**		**52.6%**		**88.8%**		**65.1%**	**76.6%**	

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

OPERATORS WITH LARGEST SOLUTION GAS VENTED VOLUMES IN 2010[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Canadian Natural Resources Limited	85.3%	0.7%	179,465	1	11,655.0	5	**167,810.3**	**1**	12,530,898.7	1,219,385.10
Husky Oil Operations Limited	97.4%	0.3%	48,676	2	13,182.6	4	**35,493.0**	**2**	3,462,597.7	1,898,980.50
Devon Canada	93.1%	3.8%	36,136	4	6,724.4	11	**29,411.3**	**3**	4,899,365.6	526,372.40
Bonavista Petroleum Ltd.	91.6%	-2.5%	26,042	5	5,279.3	12	**20,762.2**	**4**	718,204.1	310,321.40
Penn West Petroleum Ltd.	96.8%	-0.2%	37,163	3	26,469.2	1	**10,693.8**	**5**	2,730,486.9	1,165,386.50
Harvest Operations Corp.	92.3%	0.3%	17,905	7	11,610.7	6	**6,294.3**	**6**	1,295,857.3	233,329.50
Twin Butte Energy Ltd.	91.1%	-4.8%	5,260	18	446.9	90	**4,813.5**	**7**	215,476.7	59,376.90
Talisman Energy Inc.	92.0%	-3.7%	9,755	10	5,162.1	13	**4,593.1**	**8**	712,211.9	122,239.80
Canadian Forest Oil Ltd.	83.5%	-7.8%	6,336	15	1,914.7	35	**4,421.5**	**9**	152,732.6	38,363.40
Cenovus Energy Inc.	97.2%		6,236	16	1,904.6	36	**4,331.5**	**10**	2,607,954.9	220,721.60
Apache Canada Ltd.	96.9%	1.3%	10,167	9	6,994.2	9	**3,172.9**	**11**	707,333.7	326,250.50
Shell Canada Energy	84.7%	4.5%	25,064	6	22,803.3	2	**2,261.0**	**12**	1,320,143.3	163,924.30
Daylight Energy Ltd.	97.3%	3.1%	6,534	14	4,608.6	14	**1,925.1**	**13**	761,690.9	245,961.40
Nexen Inc.	80.2%	-6.8%	4,065	25	2,410.1	28	**1,654.5**	**14**	1,429,804.3	20,547.90
Pengrowth Corporation	97.7%	0.3%	8,987	11	7,547.8	8	**1,438.9**	**15**	1,082,769.6	384,441.00
Nuvista Energy Ltd.	82.8%	-2.2%	5,330	17	3,913.5	17	**1,416.3**	**16**	220,658.1	30,967.50
Conocophillips Canada Energy Partnership	97.4%	0.0%	4,476	21	3,082.7	23	**1,393.2**	**17**	243,887.3	172,938.80
Advantage Oil & Gas Ltd.	98.2%		2,310	36	1,038.7	54	**1,270.8**	**18**	168,134.1	131,500.90
Baytex Energy Ltd.	92.9%	-1.4%	4,244	22	3,016.3	24	**1,227.2**	**19**	768,287.4	60,122.80
Glencoe Resources Ltd.	99.5%	4.2%	1,214	54	0.4	271	**1,213.2**	**20**	37,500.0	247,933.90
Enermark Inc.	97.9%	0.4%	2,294	37	1,210.1	47	**1,083.7**	**21**	476,926.7	109,587.90
Northern Blizzard Resources Inc.	77.0%		965	65	-	275	**964.6**	**22**	11,603.5	4,189.40
Bonterra Energy Corp.	98.2%	0.8%	1,244	53	314.8	109	**929.1**	**23**	204,165.5	68,872.10
Midway Energy Ltd.	93.4%	93.4%	2,191	40	1,269.6	45	**921.0**	**24**	73,256.9	33,197.10
Rock Energy Inc.	90.8%	90.8%	951	67	37.6	205	**913.5**	**25**	78,055.2	10,337.00
SUBTOTAL			**453,006.7**		**142,597.2**		**310,409.5**		**36,910,001.9**	**7,805,249.6**
% OF PROVINCIAL TOTAL			**73.50%**		**50.40%**		**93.00%**		**53.20%**	**56.80%**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

PROVINCIAL RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Canadian Natural Resources Limited	85.3%	-0.7%	179,465.3	**1**	11,655.0	5	167,810.3	1	12,530,898.7	1,219,385.1
Husky Oil Operations Limited	97.4%	0.4%	48,675.6	**2**	13,182.6	4	35,493.0	2	3,462,597.7	1,898,980.5
Penn West Petroleum Ltd.	96.8%	-0.2%	37,163.0	**3**	26,469.2	1	10,693.8	5	2,730,486.9	1,165,386.5
Devon Canada	93.1%	3.9%	36,135.7	**4**	6,724.4	11	29,411.3	3	4,899,365.6	526,372.4
Bonavista Petroleum Ltd.	91.6%	-2.5%	26,041.5	**5**	5,279.3	12	20,762.2	4	718,204.1	310,321.4
Shell Canada Energy	84.7%	4.5%	25,064.3	**6**	22,803.3	2	2,261.0	12	1,320,143.3	163,924.3
Harvest Operations Corp.	92.3%	0.3%	17,905.0	**7**	11,610.7	6	6,294.3	6	1,295,857.3	233,329.5
Murphy Oil Company Ltd.	61.9%	-7.0%	15,579.9	**8**	15,579.9	3	-	238	306,010.6	40,854.8
Apache Canada Ltd.	96.9%	1.3%	10,167.1	**9**	6,994.2	9	3,172.9	11	707,333.7	326,250.5
Talisman Energy Inc.	92.0%	-3.7%	9,755.2	**10**	5,162.1	13	4,593.1	8	712,211.9	122,239.8
Pengrowth Corporation	97.7%	-0.3%	8,986.7	**11**	7,547.8	8	1,438.9	15	1,082,769.6	384,441.0
Petrobakken Energy Ltd.	88.4%	-10.5%	8,202.8	**12**	7,558.0	7	644.8	31	177,506.1	70,625.4
Arcan Resources Ltd.	67.4%	-26.3%	6,754.3	**13**	6,727.7	10	26.6	152	142,394.4	20,729.6
Daylight Energy Ltd.	97.3%	3.1%	6,533.7	**14**	4,608.6	14	1,925.1	13	761,690.9	245,961.4
Canadian Forest Oil Ltd.	83.5%	-7.8%	6,336.2	**15**	1,914.7	35	4,421.5	9	152,732.6	38,363.4
Cenovus Energy Inc.	97.2%	1.5%	6,236.1	**16**	1,904.6	36	4,331.5	10	2,607,954.9	220,721.6
Nuvista Energy Ltd.	82.8%	-2.2%	5,329.8	**17**	3,913.5	17	1,416.3	16	220,658.1	30,967.5
Twin Butte Energy Ltd.	91.1%	-4.8%	5,260.4	**18**	446.9	90	4,813.5	7	215,476.7	59,376.9
ARC Resources Ltd.	98.8%	0.0%	4,986.0	**19**	4,388.2	15	597.8	34	834,838.6	418,370.0
Taqa North Ltd.	98.2%	0.5%	4,740.8	**20**	4,128.8	16	612.0	32	361,472.9	268,119.4
Conocophillips Canada Energy Partnership	97.4%	0.1%	4,475.9	**21**	3,082.7	23	1,393.2	17	243,887.3	172,938.8
Baytex Energy Ltd.	92.9%	-1.3%	4,243.5	**22**	3,016.3	24	1,227.2	19	768,287.4	60,122.8
NAL Resources Limited	99.2%	-0.4%	4,140.2	**23**	3,305.7	20	834.5	26	576,777.1	543,112.9
Imperial Oil Resources	99.6%	0.0%	4,083.3	**24**	3,763.4	18	319.9	44	8,731,491.3	1,063,864.2
Nexen Inc.	80.2%	-6.8%	4,064.6	**25**	2,410.1	28	1,654.5	14	1,429,804.3	20,547.9
Equal Energy Corp.	86.6%		3,666.7	**26**	2,918.8	26	747.9	28	111,709.7	27,410.8
Bearspaw Petroleum Ltd.	73.9%	0.3%	3,427.6	**27**	3,427.6	19	-	238	81,560.0	13,149.7
Avenir Operating Corp.	42.3%	-4.3%	3,285.4	**28**	3,250.1	21	35.3	138	31,234.6	5,697.3
Galleon Energy Inc.	96.9%	0.3%	3,172.7	**29**	3,105.1	22	67.6	107	182,667.8	102,487.8
Spry Energy Ltd.	69.7%	-9.9%	2,992.3	**30**	2,992.3	25	-	238	62,515.7	9,885.8

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A in the table indicates not applicable since there was no solution gas production.

[3] For the Gas Conservation Change column, a blank cell indicates that a value was not reported last year.

PROVINCIAL RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Crew Energy Inc.	96.2%	1.9%	2,517.4	**31**	2,442.6	27	74.8	98	230,600.6	65,740.6
Celtic Exploration Ltd.	83.7%	13.2%	2,481.7	**32**	2,251.9	30	229.8	58	60,865.5	15,224.3
Sifton Energy Inc.	80.6%	-11.7%	2,423.7	**33**	1,817.5	37	606.2	33	43,670.2	12,474.1
EOG Resources Canada Inc.	97.5%	-0.9%	2,373.2	**34**	1,985.9	33	387.3	42	102,234.4	95,118.7
Iteration Energy Ltd.	94.6%		2,364.6	**35**	2,277.3	29	87.3	94	120,672.5	43,535.6
Advantage Oil & Gas Ltd.	98.2%	-0.6%	2,309.5	**36**	1,038.7	54	1,270.8	18	168,134.1	131,500.9
Enermark Inc.	97.9%	0.4%	2,293.8	**37**	1,210.1	47	1,083.7	21	476,926.7	109,587.9
Surge Energy Inc.	88.7%		2,238.0	**38**	2,150.5	31	87.5	93	99,889.7	19,851.5
Bellatrix Exploration Ltd.	94.2%	-4.1%	2,215.3	**39**	2,035.5	32	179.8	65	68,505.0	38,153.3
Midway Energy Ltd.	93.4%	0.2%	2,190.6	**40**	1,269.6	45	921.0	24	73,256.9	33,197.1
Zargon Oil & Gas Ltd.	82.9%	-8.3%	1,962.9	**41**	1,960.9	34	2.0	220	137,038.6	11,444.7
Pace Oil & Gas Ltd.	93.4%		1,852.9	**42**	1,781.4	38	71.5	101	132,577.3	27,950.3
Trilogy Resources Ltd.	98.2%	-0.7%	1,814.9	**43**	1,631.7	39	183.2	63	186,935.7	103,183.6
Crescent Point Energy Corp.	95.1%	11.4%	1,643.9	**44**	1,554.9	40	89.0	92	129,875.8	33,668.0
Vermilion Resources Ltd.	96.2%	2.6%	1,588.9	**45**	1,169.4	49	419.5	40	163,497.0	41,308.8
Second Wave Petroleum Inc.	94.8%	2.1%	1,545.6	**46**	1,543.4	41	2.2	218	39,523.4	29,682.5
Westfire Energy Ltd.	91.0%	-8.1%	1,521.7	**47**	808.1	61	713.6	29	44,711.7	16,966.0
Trafina Energy Ltd.	4.2%	2.3%	1,402.5	**48**	1,402.5	42	-	238	2,981.2	1,463.9
Rife Resources Ltd.	95.2%	-2.2%	1,362.4	**49**	853.0	58	509.4	37	134,312.4	28,578.5
Exoro Energy Inc.	66.1%	-10.2%	1,352.8	**50**	1,352.8	43	-	238	19,519.1	3,986.8
FET Energy Ltd.	61.5%	-13.5%	1,342.3	**51**	1,152.7	51	189.6	62	20,315.3	3,488.5
West Energy Partnership	91.3%	-8.3%	1,328.2	**52**	1,300.8	44	27.4	149	85,018.1	15,171.5
Bonterra Energy Corp.	98.2%	0.8%	1,243.9	**53**	314.8	109	929.1	23	204,165.5	68,872.1
Glencoe Resources Ltd.	99.5%	4.2%	1,213.6	**54**	0.4	271	1,213.2	20	37,500.0	247,933.9
Nordegg Resources Inc.	88.3%	76.7%	1,213.3	**55**	1,213.3	46	-	238	31,428.5	10,343.0
Arsenal Energy Inc.	89.2%	8.1%	1,184.7	**56**	1,179.4	48	5.3	203	58,639.4	10,930.3
Cenovus FCCL Ltd.	98.5%	-0.8%	1,158.4	**57**	1,158.4	50	-	238	5,929,756.9	77,665.6
Bellamont Exploration Ltd.	97.3%	4.7%	1,154.1	**58**	882.7	56	271.4	48	43,057.7	42,589.2
Signalta Resources Limited	87.9%	1.4%	1,140.5	**59**	368.0	100	772.5	27	20,672.5	9,458.0
Milestone Exploration Inc.	71.5%	-15.9%	1,113.0	**60**	1,113.0	52	-	238	15,968.4	3,898.9
Iteration Energy	94.7%	-0.8%	1,108.8	**61**	1,043.4	53	65.4	110	52,359.9	21,095.3
Angle Energy Inc.	97.1%	-1.6%	1,098.1	**62**	636.9	70	461.2	38	32,775.0	38,215.1
Enerplus Resources Corporation	99.0%	1.4%	1,090.3	**63**	908.8	55	181.5	64	269,393.9	104,286.6
ConocoPhillips Canada Resources Corp.	96.0%	7.5%	973.7	**64**	814.9	60	158.8	73	1,238,631.2	24,481.8
Northern Blizzard Resources Inc.	77.0%		964.6	**65**	-	275	964.6	22	11,603.5	4,189.4

PROVINCIAL RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
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RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Spartan Exploration Ltd.	87.8%	3.1%	864.7	**71**	864.3	57	0.4	234	26,441.9	7,109.9
Baccalieu Energy Inc.	90.8%	-3.9%	864.2	**72**	765.2	63	99.0	87	24,410.9	9,375.7
PanTerra Resource Corp.	21.1%	19.1%	844.7	**73**	840.7	59	4.0	207	2,586.6	1,071.2
Sword Energy Inc.	97.5%	-0.6%	829.3	**74**	155.4	143	673.9	30	76,420.4	33,628.8
Mosaic Energy Ltd.	96.4%	4.5%	804.7	**75**	633.9	72	170.8	67	30,792.2	22,131.9
Goldenkey Oil Inc.	0.0%	0.0%	799.6	**76**	799.6	62	-	238	1,336.4	799.6
Compton Petroleum Corporation	96.7%	0.0%	799.0	**77**	487.3	85	311.7	46	39,522.6	24,189.5
Provident Energy Ltd.	95.0%	-2.1%	772.4	**78**	726.8	64	45.6	125	20,371.6	15,297.4
Venturion Natural Resources Limited	97.1%	-1.9%	729.7	**79**	713.3	65	16.4	168	123,012.5	24,797.8
Paramount Resources Ltd.	98.2%	2.7%	720.6	**80**	704.0	66	16.6	167	40,545.1	40,257.0
Cutpick Energy Inc.	93.2%	9.4%	697.2	**81**	682.7	68	14.5	173	35,533.2	10,187.0
Fairwest Energy Corporation	74.3%	-11.9%	664.1	**82**	599.3	76	64.8	112	10,887.5	2,586.2
ConocoPhillips Canada (BRC) Partnership	99.7%	0.0%	663.5	**83**	350.2	103	313.3	45	224,007.4	229,291.8
Compass Petroleum Inc.	87.5%	14.7%	649.6	**84**	631.9	73	17.7	164	16,239.1	5,192.8
Conocophillips Western Canada Partnership	99.7%	0.1%	637.8	**85**	634.7	71	3.1	213	227,990.3	196,283.5
Gear Energy Ltd.	87.6%	-12.4%	636.3	**86**	44.4	195	591.9	35	32,870.5	5,122.6
Emerge Oil & Gas Inc.	80.8%	0.6%	619.7	**87**	486.3	87	133.4	77	60,050.0	3,224.8
Alberta Oilsands Inc.	24.5%	-5.8%	610.7	**88**	610.7	75	-	238	2,226.0	808.4
Glenogle Energy Inc.	90.7%	7.1%	576.3	**89**	576.3	77	-	238	11,873.8	6,220.9
Tamarack Valley Energy Ltd.	0.0%		572.0	**90**	572.0	78	-	238	1,713.1	572.0
Enerplus Oil & Gas Ltd.	75.0%	-6.4%	566.8	**91**	566.8	79	-	238	3,377.1	2,264.3
Drumlin Energy Corp.	76.4%	-3.7%	565.8	**92**	0.3	272	565.5	36	19,883.2	2,394.6
Ki Exploration Inc.	92.2%	-7.8%	559.1	**93**	526.7	81	32.4	142	2,776.6	7,193.7
Fairborne Energy Ltd.	98.8%	0.1%	521.3	**94**	521.3	82	-	238	101,038.4	44,050.2
Great Plains Exploration Inc.	34.0%	0.4%	500.4	**95**	491.5	84	8.9	189	14,987.2	757.8
Novus Energy Inc.	23.2%	1.6%	498.6	**96**	498.6	83	-	238	2,578.0	649.4
Connacher Oil And Gas Limited	94.6%	0.7%	493.9	**97**	428.7	91	65.2	111	525,378.5	9,146.0
Perpetual Energy Inc.	97.9%		486.7	**98**	486.7	86	-	238	14,648.1	23,377.3
Siphon Energy Corp.	16.1%	16.1%	484.0	**99**	484.0	88	-	238	1,133.6	576.5
Statoil Canada Ltd.	95.2%		483.9	**100**	483.9	89	-	238	13,369.9	10,160.2
Alberta Petroleum Energy Limited	6.9%	6.9%	483.4	**101**	323.6	106	159.8	72	3,078.2	519.3
Wild Stream Exploration Inc.	95.4%	80.3%	461.0	**102**	218.8	124	242.2	54	27,553.3	10,096.6
Caltex Energy Inc.	86.2%	17.3%	448.6	**103**	207.3	128	241.3	56	9,263.7	3,240.1
Conserve Oil Corporation	93.4%	8.8%	444.2	**104**	409.7	94	34.5	139	12,181.0	6,686.1
Transaction Oil & Gas Ventures Inc.	0.0%	0.0%	441.4	**105**	-	275	441.4	39	3,031.5	441.4

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COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Suncor Energy Oil and Gas Partnership	99.3%	0.1%	428.5	**106**	427.8	92	0.7	231	120,723.3	58,734.8
Lift Resources Inc.	9.8%	2.5%	424.3	**107**	20.9	228	403.4	41	16,986.4	470.6
Fortune Energy Inc.	36.3%	5.0%	414.1	**108**	414.1	93	-	238	15,004.0	649.6
Terrex Energy Inc.	53.0%		403.3	**109**	402.7	95	0.6	232	1,781.6	857.3
EnCana Corporation	99.6%	1.6%	401.0	**110**	371.8	99	29.2	148	107,781.5	89,685.2
Polar Star Canadian Oil And Gas, Inc.	97.4%	-1.2%	393.5	**111**	394.3	96	5.2	204	49,750.6	15,172.1
Traverse Energy Ltd.	44.4%		396.8	**112**	394.1	97	2.7	215	2,472.1	713.9
Response Energy Corporation	83.5%	-12.5%	390.0	**113**	332.7	105	57.3	117	9,804.3	2,367.3
Seaview Energy Inc.	73.7%	66.0%	379.1	**114**	379.1	98	-	238	5,927.9	1,442.9
978371 Resources Ltd.	29.0%	0.1%	373.1	**115**	364.7	102	8.4	192	1,031.6	525.7
Japan Canada Oil Sands Limited	94.2%	0.3%	367.6	**116**	367.6	101	-	238	409,116.6	6,290.7
Provident Acquisitions L.P.	93.3%	4.6%	354.0	**117**	345.5	104	8.5	191	16,456.3	5,281.4
Navarone Energy Corporation	75.9%	-4.4%	337.1	**118**	300.1	113	37.0	134	3,585.4	1,397.2
Mec Operating Company ULC	98.5%	0.5%	334.1	**119**	239.8	119	94.3	90	90,758.1	22,105.3
Cougar Energy Inc.	0.0%	0.0%	330.1	**120**	87.7	169	242.4	53	11,761.7	330.2
Oakmont Energy Ltd.	83.8%	25.7%	328.4	**121**	288.0	115	40.4	132	5,922.8	2,029.4
Ironhorse Oil & Gas Inc.	30.9%		325.8	**122**	86.3	171	239.5	56	15,360.0	471.2
1471002 Alberta Ltd.	0.0%	0.0%	319.5	**123**	319.5	107	-	238	645.0	319.5
Canadian Abraxas Petroleum, ULC	0.0%		318.8	**124**	318.8	108	-	238	147.4	318.8
Whitehall Energy Ltd.	18.8%	8.4%	314.8	**125**	146.0	146	168.8	69	4,737.5	387.5
Whitecap Resources Inc.	99.5%	-0.5%	314.5	**126**	157.9	139	156.6	74	69,336.9	59,588.3
Profound Energy Inc.	98.2%	0.1%	312.7	**127**	312.7	110	-	238	8,802.6	16,997.9
Crocotta Energy Inc.	99.2%	-0.6%	310.4	**128**	309.0	111	1.4	224	8,478.1	39,180.9
Bronco Energy Ltd.	98.6%	1.0%	306.5	**129**	306.5	112	-	238	31,521.4	21,202.9
BP Canada Energy Company	99.7%	-0.2%	305.7	**130**	265.0	118	40.7	131	10,386.8	112,672.4
Path Resources Ltd.	11.3%	-7.0%	296.8	**131**	269.6	117	27.2	150	1,812.5	334.7
International Sovereign Energy Corp.	9.6%	-10.9%	290.5	**132**	290.5	114	-	238	2,208.8	321.5
Superman Resources Inc.	76.5%	-10.5%	288.3	**133**	124.2	152	164.1	70	796.5	1,224.8
Cabrera Resources Ltd.	99.6%	0.3%	286.4	**134**	17.8	231	268.6	50	19,927.6	66,987.0
Central Global Resources, ULC	96.4%	-1.5%	283.2	**135**	155.8	141	127.4	79	12,214.9	7,768.6
Culane Energy Corp.	97.4%	-0.2%	279.1	**136**	45.2	194	233.9	57	39,971.6	10,581.1
Exshaw Oil Corp.	99.5%	0.4%	278.3	**137**	278.3	116	-	238	38,023.5	54,036.2
Progress Energy Ltd.	98.3%	-0.1%	271.2	**138**	190.8	130	80.4	95	25,036.0	15,775.7
Midlake Oil & Gas Limited	12.9%	1.6%	270.0	**139**	-	275	270.0	49	2,686.6	310.1
Exall Energy Corporation	93.3%	80.4%	268.8	**140**	155.4	143	113.4	84	65,062.0	3,997.2

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COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Pallliser Oil & Gas Corporation	9.6%	-0.3%	266.3	**141**	9.6	243	256.7	52	2,702.6	294.6
Artenra Energy Inc.	75.3%	24.0%	258.2	**142**	38.6	204	219.6	60	7,854.6	1,044.9
Sonde Resources Corp.	97.1%		257.1	**143**	162.0	138	95.1	89	14,426.2	8,746.9
Legacy TV Ltd.	99.2%	-0.8%	236.2	**144**	22.6	222	213.6	61	133,061.3	29,922.8
KinMerc Oil & Gas Inc.	67.4%	14.8%	235.1	**145**	234.7	120	0.4	234	5,911.1	721.8
Tourmaline Oil Corp.	84.8%		233.8	**146**	212.7	126	21.1	159	3,797.3	1,542.2
Alexander Oilfield Services Ltd.	61.6%	-1.9%	231.0	**147**	231.0	121	-	238	1,579.8	601.3
Barrick Energy Inc.	99.6%	-0.3%	229.8	**148**	229.8	122	-	238	173,469.9	60,826.3
Benjaka Exploration Inc.	0.0%	0.0%	224.8	**149**	224.8	123	-	238	449.1	224.8
Provident Energy Resources Inc.	96.7%	-2.2%	218.4	**150**	103.9	162	114.5	83	36,453.9	6,629.1
Canadian Coastal Resources Ltd.	0.0%	0.0%	216.2	**151**	216.1	125	0.1	237	1,504.5	216.2
Flow-Back Oil & Gas Ltd.	0.0%	0.0%	216.1	**152**	216.1	125	-	238	140.2	216.1
Wolf Coulee Resources Inc.	97.9%	22.1%	209.5	**153**	208.5	127	1.0	228	10,615.7	10,175.9
Anderson Energy Ltd.	98.3%	1.4%	209.2	**154**	79.9	174	129.3	78	25,288.9	12,557.3
Yangarra Resources Corp.	96.7%		206.8	**155**	195.6	129	11.2	181	5,878.2	6,264.7
Ribbon Creek Resources Inc.	92.6%	-5.7%	205.6	**156**	175.6	133	30.0	145	4,595.0	2,774.1
Sure Energy Inc.	94.9%	-0.6%	204.2	**157**	61.8	184	142.4	76	7,521.1	3,981.9
Cequence Energy Ltd.	98.8%		196.4	**158**	155.5	142	40.9	129	9,270.4	16,045.0
Leddy Exploration Limited	90.4%	-1.6%	195.9	**159**	123.2	153	72.7	99	10,085.4	2,033.4
Hard Rock Resources Ltd.	54.8%	-37.6%	195.5	**160**	90.4	167	105.1	85	1,905.7	432.7
North Peace Energy Corp.	0.0%	0.0%	186.6	**161**	186.6	131	-	238	691.1	173.2
Direct Energy Marketing Limited	99.1%	2.8%	184.9	**162**	166.1	136	18.8	163	32,665.6	19,614.9
Argosy Energy Inc.	34.9%	34.9%	177.7	**163**	-	275	177.7	66	1,241.4	273.1
Sutton Energy Ltd.	0.0%	0.0%	176.4	**164**	176.4	132	-	238	263.5	176.4
Canext Energy Ltd.	95.7%	2.9%	174.1	**165**	174.1	134	-	238	33,613.5	4,072.3
Barnwell of Canada, Limited	96.2%	13.5%	173.8	**166**	173.8	135	-	238	12,908.1	4,538.4
Sphere Energy Corp.	33.4%	21.7%	170.6	**167**	124.7	151	45.9	124	2,641.0	256.2
Iberdrola Canada Energy Services Ltd.	99.4%	-0.5%	169.4	**168**	-	275	169.4	68	2,563.9	26,761.8
Chinook Energy Partnership	99.3%		166.6	**169**	62.1	183	104.5	86	10,288.6	23,603.1
Temple Energy Partnership	15.8%		162.4	**170**	162.4	137	-	238	120.0	192.9
Avalon Exploration Ltd.	0.0%	0.0%	162.0	**171**	-	275	162.0	71	2,584.9	162.0
Pradera Resources Inc.	24.3%	24.3%	159.6	**172**	123.0	155	36.6	135	9,510.9	210.9
Amarone Oil & Gas Ltd.	98.0%	-2.0%	156.0	**173**	156.0	140	-	238	14,688.3	7,594.0
Dark Energy Ltd.	69.3%	5.6%	153.6	**174**	-	275	153.6	75	8,239.3	499.9
Artek Exploration Ltd.	90.9%	-4.4%	152.0	**175**	151.9	144	0.1	237	3,222.5	1,660.7

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Temple Energy Inc.	0.0%	0.0%	147.0	**176**	147.0	145	-	238	78.3	147.0
Oneex Operations Partnership	67.2%	-24.0%	145.5	**177**	144.5	148	1.0	228	3,228.0	443.4
Ravenwood Energy Corp.	98.5%	-0.8%	145.5	**177**	145.5	147	-	238	18,361.3	9,632.8
Dirham Oil (2000) Inc.	0.0%	0.0%	141.7	**178**	141.7	149	-	238	350.8	141.7
Hunt Oil Company of Canada, Inc.	99.7%	0.3%	133.1	**179**	133.1	150	-	238	118,793.5	38,940.4
Bering Exploration Company, Ulc	25.1%	-6.9%	129.7	**180**	120.3	156	9.4	187	3,220.6	173.1
Prosper Petroleum Ltd.	0.0%	0.0%	126.5	**181**	-	275	126.5	80	98,917.0	126.5
Timberrock Energy Corp.	49.7%	-2.2%	125.7	**182**	123.1	154	2.6	216	848.0	250.1
Corinthian Energy Corp.	97.1%	0.3%	123.0	**183**	32.2	211	90.8	91	10,316.0	4,281.3
Cangild Resources Ltd.	0.0%	0.0%	119.5	**184**	-	275	119.5	81	352.0	119.5
Scollard Energy Inc.	88.0%	-5.1%	118.1	**185**	-	275	118.1	82	5,109.9	980.2
Coastal Resources Limited	95.9%	0.7%	116.8	**186**	87.1	170	29.7	146	17,356.0	2,851.6
Cequence Acquisitions Ltd.	0.0%	-99.8%	111.5	**187**	111.5	157	-	238	69.8	111.5
Canflame Energy Ltd.	97.7%	2.3%	110.9	**188**	110.9	158	-	238	2,667.1	4,709.9
Black Shire Energy Inc.	95.4%		110.6	**189**	110.6	159	-	238	73,060.8	2,418.7
Halvar Resources Ltd.	57.7%	-8.2%	110.0	**190**	110.0	160	-	238	10,536.4	259.9
Delphi Energy Corp.	99.5%	0.4%	109.9	**191**	41.1	200	68.8	106	56,211.0	22,119.4
Sedna Oil And Gas Ltd.	25.3%	-9.5%	106.0	**192**	100.1	163	5.9	199	1,308.7	141.9
Cowboy Exploration Ltd.	0.0%	0.0%	104.1	**193**	104.1	161	-	238	236.3	104.1
Rustum Petroleums Limited	0.0%	0.0%	100.1	**194**	90.9	166	9.2	188	3,708.5	100.1
Serrano Energy Ltd.	0.0%	0.0%	98.7	**195**	-	275	98.7	88	3,869.7	98.7
Mancal Energy Inc.	99.5%	1.1%	94.3	**196**	41.0	201	53.3	118	67,429.5	19,499.0
Altia Energy Ltd.	0.0%		93.6	**197**	93.6	164	-	238	276.1	93.6
Fort Calgary Resources Ltd.	10.1%		92.0	**198**	92.0	165	-	238	3,294.9	102.3
Hermes Financial Inc.	80.7%	0.1%	87.9	**199**	87.9	168	-	238	4,681.2	455.2
Cumberland Oil & Gas Ltd.	19.3%		86.4	**200**	75.7	177	10.7	183	755.7	107.0
Petrocardium Exploration Ltd.	95.9%	-0.4%	84.0	**201**	84.0	172	-	238	7,958.3	2,067.5
Barrier Reef Resources Ltd.	0.0%		82.4	**202**	82.4	173	-	238	1,778.3	82.4
Chinook Energy Ltd.	99.3%		80.6	**203**	32.1	212	48.5	123	2,963.1	11,324.5
Fogo Energy Corp.	0.0%		79.3	**204**	79.3	175	-	238	618.4	79.3
Bountiful Resources Inc.	85.0%	-12.1%	75.9	**205**	26.4	217	49.5	122	2,170.0	507.4
DLS Energy Ltd.	0.0%	0.0%	75.8	**206**	75.8	176	-	238	111.4	75.8
San Juan Resources Inc.	70.3%	-28.0%	75.8	**206**	-	275	75.8	96	496.4	255.3
Sharpet Resources Ltd.	82.4%	-6.6%	75.4	**207**	-	275	75.4	97	2,277.9	428.0
Keyera Energy Ltd.	99.8%	0.0%	75.2	**208**	75.2	178	-	238	24,399.5	44,552.0

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Skylight Energy Resources Ltd.	87.3%	6.1%	74.7	**209**	3.9	258	70.8	102	1,125.9	586.7
New North Resources Ltd.	86.8%	86.8%	71.8	**210**	40.6	202	31.2	143	1,892.3	545.6
Ridal Resource Ltd.	0.0%	0.0%	71.8	**210**	-	275	71.8	100	1,486.7	71.8
PMC (Nova Scotia) Company	0.0%	0.0%	71.1	**211**	71.1	179	-	238	-	-
South Bay Resources Canada, Ulc.	23.6%	23.6%	71.0	**212**	71.0	180	-	238	3,789.1	92.9
Band Energy Resources Ltd.	47.0%	14.9%	70.8	**213**	53.6	189	17.2	166	394.8	133.5
1412270 Alberta Ltd.	0.0%	0.0%	70.5	**214**	-	275	70.5	103	5,095.0	69.4
Concerto Resources Ltd.	30.9%	-9.5%	70.4	**215**	-	275	70.4	104	511.0	101.9
Kasten Energy Inc.	2.8%		70.2	**216**	-	275	70.2	105	1,118.0	72.2
Enerplus Commercial Trust	99.8%	0.6%	70.1	**217**	42.9	196	27.2	150	41,411.7	31,169.4
Jaco Energy Limited	90.5%	6.1%	69.9	**218**	64.8	182	5.1	205	6,089.1	735.3
Orion Oil & Gas (North America) Ltd.	99.4%	0.2%	67.5	**219**	17.4	232	50.1	121	36,577.7	11,397.1
Rustler Petroleum Inc.	66.2%	-33.8%	67.3	**220**	-	275	67.3	108	421.8	199.1
Kobi Resources Ltd.	87.8%	-5.1%	66.5	**221**	53.4	190	13.1	174	1,397.7	543.8
White Ram Resources Ltd.	52.3%	17.0%	65.6	**222**	-	275	65.6	109	498.5	137.5
Midnight Oil Exploration Ltd.	0.0%	-77.6%	65.4	**223**	65.4	181	-	238	3,167.6	65.4
Mato Inc.	95.4%	-0.6%	62.7	**224**	-	275	62.7	113	648.3	1,366.2
Solara Exploration Ltd.	97.2%	1.0%	60.9	**225**	-	275	60.9	114	13,211.9	2,184.3
Desmarais Energy Corporation	88.2%	-11.9%	59.0	**226**	-	275	59.0	115	937.6	498.0
Gamet Resources Ltd.	76.8%	-4.0%	58.7	**227**	5.7	251	53.0	119	733.2	253.5
Optimus Energy Limited	0.0%	0.0%	58.7	**227**	-	275	58.7	116	221.3	58.7
Owl River Resources Ltd.	94.5%	0.3%	58.0	**228**	58.0	185	-	238	1,035.7	1,044.6
Border Petroleum Corp.	19.5%	-11.8%	57.4	**229**	35.6	207	21.8	156	1,631.5	71.3
Base Resources Inc.	99.3%	-0.2%	57.3	**230**	35.5	208	21.8	156	1,590.7	7,837.1
Suncor Energy Inc.	99.8%	0.9%	56.9	**231**	56.9	186	-	238	4,951,474.1	30,799.6
Action Energy Inc.	60.9%	-36.2%	55.0	**232**	55.0	187	-	238	425.6	140.8
Creo Energy Ltd.	39.2%	39.2%	54.7	**233**	54.7	188	-	238	428.8	90.0
Onyx 2006 Inc.	99.4%	1.4%	53.1	**234**	22.2	223	30.9	144	3,057.5	8,708.4
MEG Energy Corp.	99.0%	3.2%	50.9	**235**	50.9	191	-	238	1,233,250.0	4,950.3
Petro Viking Management Corp.	0.0%		50.9	**235**	-	275	50.9	120	243.0	50.9
South Ridge Management Ltd.	0.0%	0.0%	48.9	**236**	48.9	192	-	238	311.4	48.9
Triaxon Oil Operations Ltd.	96.7%	6.7%	48.6	**237**	39.0	203	9.6	186	12,739.6	1,489.8
Jayhawk Resources Ltd.	0.0%	0.0%	47.2	**238**	47.2	193	-	238	94.9	47.2
Waseca Energy Inc.	0.0%	0.0%	45.2	**239**	-	275	45.2	126	2,655.8	45.2
Kingsmere Resources Ltd.	0.0%		45.0	**240**	-	275	45.0	127	651.5	45.0

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Relentless Resources Ltd.	96.9%		42.3	**241**	42.3	197	-	238	795.1	1,348.6
Sogar Resources Ltd.	98.1%	0.0%	42.2	**242**	-	275	42.2	128	1,407.7	2,199.0
Berry Creek Resources Inc.	82.7%	-13.1%	42.1	**243**	42.1	198	-	238	167.9	243.3
935821 Alberta Ltd.	0.0%	0.0%	42.0	**244**	42.0	199	-	238	472.7	42.0
Bowood Energy Ltd.	98.1%	3.0%	42.0	**244**	42.0	199	-	238	2,281.2	2,258.5
Shoreline Acquisition Corp.	98.1%		41.3	**245**	22.1	224	19.2	162	2,017.0	2,189.0
Ceno Energy Limited	93.3%	8.3%	40.8	**246**	-	275	40.8	130	6,324.1	609.1
Nuloch Resources Inc.	98.4%	-1.6%	39.0	**247**	39.0	203	-	238	19,213.2	2,485.6
Primrose Drilling Ventures Ltd.	97.4%	-1.1%	37.8	**248**	-	275	37.8	133	1,988.2	1,479.3
Saffron Energy Ltd.	86.5%	5.9%	36.5	**249**	-	275	36.5	136	745.7	269.9
Ramier Resources Ltd.	0.0%	0.0%	36.1	**250**	36.1	206	-	238	119.8	36.1
Golden Spike Energy Inc.	0.0%		35.8	**251**	-	275	35.8	137	234.5	35.8
Standard Energy Inc.	99.3%	1.6%	35.6	**252**	35.6	207	-	238	1,781.4	5,402.4
Mika Resources Ltd.	95.9%	-0.3%	35.0	**253**	35.0	209	-	238	279.6	857.6
Kaiser Exploration Ltd.	99.5%	5.2%	34.4	**254**	21.4	226	13.0	175	8,958.2	6,619.1
Tykewest Limited	88.9%	9.0%	34.2	**255**	23.5	221	10.7	183	3,101.1	309.3
Quatro Resources Inc.	99.4%	0.8%	33.9	**256**	-	275	33.9	140	5,407.8	5,520.0
Provident Acquisitions Inc.	98.0%	-0.2%	33.4	**257**	21.9	225	11.5	180	852.1	1,668.5
Cal-Ranch Resources Inc.	0.0%	0.0%	33.2	**258**	33.2	210	-	238	441.2	33.2
Barcomp Petroleum Ltd.	0.0%	0.0%	32.7	**259**	-	275	32.7	141	7,244.8	32.7
Terra Energy Corp.	98.5%	-1.5%	30.5	**260**	30.5	213	-	238	16,248.1	2,078.0
Indra Oil & Gas Ltd.	0.0%	0.0%	30.1	**261**	26.0	219	4.1	206	1,660.5	30.1
Gold Ridge Investments Corporation	0.0%	0.0%	29.6	**262**	-	275	29.6	147	109.9	29.6
Beaver Lake Resources Corporation	0.0%	0.0%	28.8	**263**	28.8	214	-	238	516.2	28.8
Stonewater Resources Inc.	0.0%		28.5	**264**	28.5	215	-	238	162.3	28.5
NEO Exploration Inc.	65.2%	-3.2%	26.7	**265**	-	275	26.7	151	2,572.4	76.8
Perpetual Energy Operating Corp.	99.8%		26.7	**265**	26.7	216	-	238	12,321.5	12,220.9
Rise Resources Corp.	91.9%	-6.4%	26.1	**266**	26.1	218	-	238	952.7	321.4
545279 Alberta Limited	0.0%	0.0%	26.0	**267**	-	275	26.0	153	210.2	26.0
Western Canada Energy Ltd.	97.2%	0.5%	25.8	**268**	13.8	237	12.0	179	728.7	917.8
Crazy Hill Resources Ltd.	0.0%		24.5	**269**	-	275	24.5	154	364.0	24.5
Omers Energy Inc.	98.8%	24.4%	24.1	**270**	17.1	233	7.0	197	4,516.9	1,973.0
Brand S Resources Ltd.	0.0%	0.0%	23.9	**271**	23.9	220	-	238	424.9	23.9
Blaze Energy Ltd.	99.9%	0.1%	23.5	**272**	23.5	221	-	238	27,927.9	33,272.0
Berens Energy Ltd.	99.1%	1.4%	23.4	**273**	22.6	222	0.8	230	3,106.1	2,459.5

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Eclipse Resources Ltd.	99.7%	0.1%	22.0	**274**	-	275	22.0	156	7,004.7	7,166.9
Esprit Exploration Ltd.	99.0%	-0.1%	21.8	**275**	0.3	272	21.5	157	2,523.3	2,140.6
Surat Energy Inc.	96.5%	2.2%	21.4	**276**	21.4	226	-	238	1,026.5	615.8
Brazeau NRG Ltd.	97.2%	-2.3%	21.3	**277**	21.3	227	-	238	649.2	771.1
Strategic Oil & Gas Ltd.	97.2%	-2.9%	21.3	**277**	-	275	21.3	158	8,835.9	746.6
Echoex Ltd.	87.4%	-12.5%	21.1	**278**	0.2	273	20.9	160	13,362.8	167.6
Waldron Energy Corporation	99.8%		20.4	**279**	7.5	244	12.9	176	9,759.2	12,244.0
Kallisto Energy Corp.	22.6%	22.6%	20.2	**280**	-	275	20.2	161	923.9	26.1
Petroglobe Inc.	83.7%	83.7%	19.9	**281**	1.1	268	18.8	163	1,431.5	122.2
Varenna Energy Ltd.	22.0%		19.1	**282**	16.3	234	2.8	214	1,264.9	24.5
Trilogy Blue Mountain Ltd.	95.2%	4.7%	18.5	**283**	18.5	229	-	238	857.0	386.1
Hawk Exploration Ltd.	99.4%	-0.6%	18.3	**284**	18.3	230	-	238	13,850.7	3,005.5
Joli Fou Petroleums Ltd.	75.3%	0.2%	17.5	**285**	-	275	17.5	165	1,989.9	70.8
Harness Petroleum Inc.	88.9%		17.0	**286**	4.7	254	12.3	178	965.7	153.1
Drake Energy Ltd.	54.5%	-45.5%	16.6	**287**	-	275	16.6	167	1,025.4	36.5
Northern Hunter Energy Inc.	99.2%	-0.8%	16.6	**287**	0.3	272	16.3	169	1,795.8	1,964.4
Diaz Resources Ltd.	98.2%	-1.5%	16.1	**288**	-	275	16.1	170	8,186.4	896.5
Clampett Energy Ltd.	85.5%		15.9	**289**	-	275	15.9	171	1,311.2	109.8
Koch Exploration Canada G/P Ltd.	58.4%	58.4%	15.7	**290**	-	275	15.7	172	4,897.1	37.7
Bounty Developments Ltd.	26.1%	-73.9%	15.6	**291**	15.6	235	-	238	981.9	21.1
Salvo Energy Corporation	99.6%	0.0%	14.0	**292**	14.0	236	-	238	632.4	3,779.7
Storm Exploration Inc.	0.0%	-70.0%	14.0	**292**	13.7	238	0.3	235	564.2	14.0
Kootenay Energy Inc.	57.2%	57.2%	13.4	**293**	13.4	239	-	238	5,302.0	31.3
Tandem Energy Corporation	99.3%	-0.7%	12.5	**294**	-	275	12.5	177	2,737.0	1,879.8
Plains Midstream Canada Ulc	0.0%		12.0	**295**	12.0	240	-	238	-	-
Stonefire Energy Corp.	88.4%	-8.3%	11.5	**296**	-	275	11.5	180	1,562.8	99.1
Danan Resources Ltd.	99.0%	4.5%	11.4	**297**	11.4	241	-	238	2,192.6	1,146.1
Reid Resources Ltd.	0.0%	0.0%	11.0	**298**	-	275	11.0	182	1,035.2	11.0
Petenco Resources Ltd.	95.3%	-1.0%	10.5	**299**	10.5	242	-	238	483.0	222.2
Taku Gas Limited	96.0%	-1.9%	10.3	**300**	-	275	10.3	184	7,013.1	259.7
Goodland Energy Ltd.	88.0%		10.2	**301**	-	275	10.2	185	1,117.6	84.7
Peloton Exploration Corp.	0.0%		9.7	**302**	4.2	257	5.5	201	41.9	9.7
Monterey Exploration Ltd.	99.8%	2.8%	9.0	**303**	6.8	247	2.2	218	10,592.9	4,540.3
Pinecrest Energy Inc.	74.1%		8.9	**304**	0.1	274	8.8	190	1,378.2	34.3
Petro Uno Resources Ltd.	97.4%	-1.5%	8.1	**305**	1.4	266	6.7	198	1,600.7	305.3

PROVINCIAL RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Madison Energy Corp	85.6%		7.9	**306**	-	275	7.9	193	680.5	54.9
Emerald Bay Energy Inc	0.0%	0.0%	7.6	**307**	-	275	7.6	194	755.0	7.6
Valeura Energy Inc	0.0%		7.5	**308**	-	275	7.5	195	35.7	7.5
Seven Energy (Canada) Inc	99.6%	1.2%	7.4	**309**	-	275	7.4	196	1,341.4	1,666.3
Newalta Corporation	63.2%	-36.8%	7.0	**310**	7.0	245	-	238	994.0	19.0
Duel Energy Inc	0.0%		6.9	**311**	6.9	246	-	238	163.6	6.9
Edalis Energy Inc	98.3%		6.9	**311**	3.2	260	3.7	209	1,754.2	404.7
Artemis Exploration Inc	98.9%	18.2%	6.8	**312**	6.6	249	0.2	236	8,381.0	592.5
Bernum Petroleum Ltd	80.7%	80.7%	6.7	**313**	6.7	248	-	238	1,995.0	34.7
T & E Oils Ltd	62.9%	6.4%	6.6	**314**	6.6	249	-	238	1,482.4	17.8
Redwater Energy Corp	96.8%	4.0%	6.3	**315**	6.3	250	-	238	1,858.0	194.5
Silver Blaze Energy Ltd	95.9%	7.4%	5.8	**316**	-	275	5.8	200	644.3	140.1
Centrica Canada Limited	98.9%	0.6%	5.7	**317**	5.0	253	0.7	231	916.9	497.7
Ridgeback Exploration Ltd	78.9%	70.2%	5.7	**317**	5.3	252	0.4	234	241.5	27.0
Radius Resources Corp	0.0%	0.0%	5.6	**318**	2.9	263	2.7	215	112.1	5.6
Milen's Oilfield Enterprises Ltd	99.8%	-0.2%	5.4	**319**	-	275	5.4	202	168.1	2,362.0
B&G Energy Ltd	25.0%		4.5	**320**	4.5	256	-	238	42.0	6.0
Orion Oil & Gas Corporation	99.9%		4.3	**321**	4.3	256	-	238	16,713.7	4,405.0
Sanford Petroleum Ltd	0.0%		3.9	**322**	-	275	3.9	208	143.8	3.9
Eastnell Resources Ltd	0.0%	0.0%	3.7	**323**	-	275	3.7	209	125.8	3.7
385417 Alberta Ltd	99.5%	0.0%	3.6	**324**	0.2	273	3.4	211	3,597.7	682.1
Reber Exploration Ltd	0.0%	0.0%	3.6	**324**	-	275	3.6	210	96.1	3.6
Alban Energy Ltd	0.0%	-30.5%	3.3	**325**	3.3	259	-	238	17.4	3.3
Wrangler West Energy Corp	100.0%	0.0%	3.3	**325**	-	275	3.3	212	16,134.1	9,858.7
Ascent Energy Ltd	99.4%	-0.2%	3.1	**326**	-	275	3.1	213	1,045.3	517.1
Nordic Oil & Gas Ltd	0.0%	0.0%	3.1	**326**	3.1	261	-	238	1,326.8	3.1
Prospex Resources Ltd	100.0%	0.0%	3.0	**327**	3.0	262	-	238	818.9	12,481.0
Rockbridge Energy Alberta Inc	93.7%	0.7%	2.9	**328**	2.9	263	-	238	22.2	45.7
Manitok Energy Inc	0.0%	0.0%	2.8	**329**	-	275	2.8	214	2,288.3	2.8
Enerstar Petroleum Corp	0.0%	0.0%	2.7	**330**	-	275	2.7	215	483.2	2.7
Petromin Resources Ltd	0.0%	0.0%	2.7	**330**	2.7	264	-	238	5,895.1	2.7
Hillsdale Drilling Ltd	0.0%	0.0%	2.6	**331**	-	275	2.6	216	259.2	2.6
Alka Resources Ltd	97.1%	0.1%	2.4	**332**	-	275	2.4	217	1,053.0	82.6
New Century Petroleum Corporation	93.5%	-2.1%	2.2	**333**	-	275	2.2	218	6,312.4	33.9
Manitok Exploration Inc	0.0%		2.1	**334**	-	275	2.1	219	2,455.4	2.1

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COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Clearbrook Resources Inc	99.5%		2.0	**335**	-	275	2.0	220	4,000.1	384.4
Tri-Ment Corporation Ltd	39.4%	18.5%	2.0	**335**	-	275	2.0	220	24.0	3.3
Camino Industries Inc	99.8%	-0.1%	1.9	**336**	-	275	1.9	221	450.5	921.6
Ferrybank Resources Ltd	99.5%	1.1%	1.9	**336**	-	275	1.9	221	1,605.9	369.5
Petropembina Exploration Ltd	98.8%		1.9	**336**	1.9	265	-	238	278.4	157.3
Skywest Energy Corp	99.9%		1.9	**336**	-	275	1.9	221	2,751.7	2,026.6
Seven Generations Energy Ltd	100.0%	0.7%	1.8	**337**	-	275	1.8	222	1,535.8	6,188.4
Spur Energy Corp	0.0%	0.0%	1.8	**337**	-	275	1.8	222	229.4	1.8
Mount Dakota Energy Corp	0.0%	0.0%	1.7	**338**	-	275	1.7	223	271.5	1.7
Pearson Resources Ltd	96.7%	-0.9%	1.4	**339**	0.5	270	0.9	229	174.7	42.5
Canadian Rockies Petroleum Corp	98.3%		1.3	**340**	-	275	1.3	225	43.7	74.9
Grand Rapids Petroleum Ltd	0.0%	0.0%	1.2	**341**	-	275	1.2	226	782.7	1.2
KMD Resources Ltd	98.1%	6.6%	1.2	**341**	-	275	1.2	226	580.8	64.0
Murelle Enterprises Inc	99.9%	0.0%	1.2	**341**	-	275	1.2	226	224.6	1,139.4
Tribawk Energy Ltd	0.0%	0.0%	1.2	**341**	1.2	267	-	238	106.6	1.2
Sojourn Energy Inc	45.0%		1.1	**342**	-	275	1.1	227	239.1	2.0
Forent Energy Ltd	0.0%	0.0%	1.0	**343**	-	275	1.0	228	508.9	1.0
Sunshine Oilsands Ltd	16.7%		1.0	**343**	-	275	1.0	228	1,640.5	1.2
Detector Exploration Ltd	59.1%	29.7%	0.9	**344**	0.9	269	-	238	1,351.6	2.2
Flagstone Energy Inc	52.6%	52.6%	0.9	**344**	0.9	269	-	238	786.6	1.9
Four Winds Energy Services Ltd	81.3%	0.9%	0.9	**344**	0.9	269	-	238	32.6	4.8
Pennine Petroleum Corporation	66.7%	60.1%	0.8	**345**	-	275	0.8	230	801.5	2.4
Twoco Petroleums Ltd	42.9%		0.8	**345**	-	275	0.8	230	313.3	1.4
Trilogy Redsky Ltd	99.7%	0.5%	0.7	**346**	-	275	0.7	231	123.9	240.7
611880 Alberta Inc	14.3%		0.6	**347**	-	275	0.6	232	2,064.2	0.7
Derrick Petroleum Ltd	99.9%	-0.1%	0.5	**348**	-	275	0.5	233	1,450.8	534.5
Huegler Holdings Ltd	0.0%	0.0%	0.5	**348**	-	275	0.5	233	676.5	0.5
Thoroughbred Energy Ltd	99.8%		0.5	**348**	-	275	0.5	233	1,700.3	242.7
Ener-T Corporation	0.0%		0.4	**349**	0.4	271	-	238	373.5	0.4
Martin Head Oil & Gas Ltd	99.0%	2.3%	0.3	**350**	-	275	0.3	235	148.8	30.8
RIA Resources Corp	100.0%	0.0%	0.3	**350**	-	275	0.3	235	1,471.9	1,397.5
Seffian Petroleums Ltd	0.0%	0.0%	0.3	**350**	-	275	0.3	235	128.9	0.3
Trilight Energy Inc	99.8%	0.5%	0.3	**350**	-	275	0.3	235	63.3	143.8
Yoho Resources Inc	100.0%	1.1%	0.3	**350**	0.3	272	-	238	339.3	1,316.6
Emm Energy Inc	99.9%	1.8%	0.2	**351**	-	275	0.2	236	1,890.1	227.5

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COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Enhance Energy Inc	99.3%	-0.2%	0.2	**351**	-	275	0.2	236	217.2	30.5
Silverback Energy Ltd	99.9%	-0.1%	0.1	**352**	-	275	0.1	237	586.1	148.1
Tournament Exploration Ltd	100.0%	0.0%	0.1	**352**	0.1	274	-	238	13,861.9	7,253.1
1238131 Alberta Ltd	100.0%	100.0%	-	**353**	-	275	-	238	273.1	109.1
1451637 Alberta Ltd	N/A	N/A	-	**N/A**	-	N/A	-	N/A	99.7	-
981384 Alberta Ltd	100.0%	0.0%	-	**353**	-	275	-	238	16.5	119.6
Adanac Oil & Gas Limited	100.0%	0.0%	-	**353**	-	275	-	238	2,066.6	943.9
Alpetro Resources Ltd	100.0%	0.0%	-	**353**	-	275	-	238	1,114.0	4,132.6
Altacanada Energy Partnership	100.0%	0.0%	-	**353**	-	275	-	238	180.4	130.8
AltaGas Ltd	100.0%	0.0%	-	**353**	-	275	-	238	297.0	1,101.5
Ashton Oil & Gas Ltd	100.0%		-	**353**	-	275	-	238	10,391.1	3,286.0
Avalon Energy Ltd	100.0%	0.0%	-	**353**	-	275	-	238	993.6	57.7
Beatton Energy Inc	N/A	N/A	-	**N/A**	-	N/A	-	N/A	375.6	-
Bentley Oil & Gas Ltd	100.0%	0.0%	-	**353**	-	275	-	238	289.5	18.6
Birchill Exploration Limited Partnership	100.0%	0.0%	-	**353**	-	275	-	238	198.3	676.8
Blackhawk Resource Operating Corp	100.0%	0.0%	-	**353**	-	275	-	238	5,238.2	41.9
BNP Resources Inc	100.0%	2.4%	-	**353**	-	275	-	238	242.2	175.4
Brahma Resources Ltd	100.0%	0.0%	-	**353**	-	275	-	238	507.6	2.7
Bumper Development Corporation Ltd	100.0%	0.0%	-	**353**	-	275	-	238	227.4	3,206.7
Canada West Resources Inc	N/A	N/A	-	**N/A**	-	N/A	-	N/A	22.5	-
Canadian Coyote Energy Ltd	100.0%		-	**353**	-	275	-	238	2,121.1	36.2
Canyon Oil & Gas Corporation	100.0%	0.0%	-	**353**	-	275	-	238	120.6	690.5
Capso Exploration Ltd	100.0%		-	**353**	-	275	-	238	2,894.9	720.0
Cascade Resources Inc	100.0%	0.0%	-	**353**	-	275	-	238	144.8	18.4
Centennial Petroleum Company Ltd	100.0%	0.0%	-	**353**	-	275	-	238	967.6	837.6
Cinch Energy Corp	100.0%	0.0%	-	**353**	-	275	-	238	1,614.4	583.2
CNPC International (Canada) Ltd	100.0%	0.0%	-	**353**	-	275	-	238	2,801.2	675.5
Condor Canada Petroleum Inc	100.0%	0.0%	-	**353**	-	275	-	238	4,729.7	577.1
Conocophillips Canada Operations Ltd	100.0%	0.0%	-	**353**	-	275	-	238	209.4	118.4
Crew Energy Partnership	100.0%	0.0%	-	**353**	-	275	-	238	2,829.0	1,949.5
Deethree Exploration Ltd	100.0%	0.0%	-	**353**	-	275	-	238	644.7	247.5
Eiger Energy Ltd	100.0%	0.0%	-	**353**	-	275	-	238	1,470.1	63.6
Elkwater Resources Ltd	100.0%	0.0%	-	**353**	-	275	-	238	172.6	545.7
Five O Oil & Gas Ltd	100.0%	0.0%	-	**353**	-	275	-	238	341.1	9.3
Fox Creek Petroleum Corp	100.0%	0.0%	-	**353**	-	275	-	238	5,253.2	1,070.1

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COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Freehold Resources Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	4.4	-
Frontier Energy Inc.	N/A	N/A	-	N/A	-	N/A	-	N/A	187.1	-
Grandview Exploration Inc.	100.0%	0.0%	-	353	-	275	-	238	1,978.9	3.4
Gryphon Petroleum Corp.	100.0%	0.5%	-	353	-	275	-	238	2,549.8	192.8
Hanna Oil & Gas Company - Canada ULC	N/A	N/A	-	N/A	-	N/A	-	N/A	3.3	-
Hyperion Exploration Corp.	100.0%		-	353	-	275	-	238	388.2	1,402.2
Insignia Energy Ltd.	100.0%	0.0%	-	353	-	275	-	238	9,579.7	3,934.4
International Frontier Resources Corporation	100.0%	0.0%	-	353	-	275	-	238	1,614.7	105.7
Interquest Incorporated	N/A	N/A	-	N/A	-	N/A	-	N/A	9.1	-
Ish Energy Ltd.	100.0%	29.2%	-	353	-	275	-	238	371.6	664.9
Knowledge Energy Inc.	100.0%	0.0%	-	353	-	275	-	238	1,348.6	4,033.3
Land Petroleum International Inc.	N/A	N/A	-	N/A	-	N/A	-	N/A	276.2	-
Lario Oil & Gas Company	100.0%	0.0%	-	353	-	275	-	238	2,961.3	628.7
Linklater Lp	100.0%		-	353	-	275	-	238	86.7	1.0
Lockwood Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	22.3	795.4
Marksmen Energy Inc.	100.0%	0.0%	-	353	-	275	-	238	6.8	3.8
MOGL Corp.	100.0%	0.0%	-	353	-	275	-	238	574.0	298.5
Mooncor Energy Inc.	100.0%	0.0%	-	353	-	275	-	238	78.1	0.3
Newcrest Resources Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	1.0	-
Northern Utilities (sask.) Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	290.6	-
Oban Energy Ltd.	100.0%	0.0%	-	353	-	275	-	238	7,227.6	7,316.4
Onstad Energy Corp.	100.0%		-	353	-	275	-	238	1,124.8	97.1
Open Range Energy Corp.	100.0%	0.3%	-	353	-	275	-	238	335.2	504.6
Orleans Energy Ltd.	100.0%	0.0%	-	353	-	275	-	238	14,418.0	12,531.6
Pavilion Energy Corp.	100.0%	0.0%	-	353	-	275	-	238	5,987.6	48.0
Petro Buyers Inc.	100.0%	0.0%	-	353	-	275	-	238	649.5	60.4
Petro-Reef Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	7,069.9	7,530.5
Peyto Exploration & Development Corp.	100.0%	0.0%	-	353	-	275	-	238	824.5	1,237.9
Redcliffe Exploration Inc.	100.0%	0.0%	-	353	-	275	-	238	3,407.9	9,251.0
Regco Petroleums Ltd.	100.0%	0.0%	-	353	-	275	-	238	1,589.0	110.8
Regent Resources Ltd.	100.0%	10.8%	-	353	-	275	-	238	492.0	414.6
Revive Energy Corp.	100.0%	0.0%	-	353	-	275	-	238	115.6	9.5
Revolution Resources Ltd.	100.0%	75.0%	-	353	-	275	-	238	368.2	62.7
Sahara Energy Ltd.	100.0%	0.0%	-	353	-	275	-	238	795.3	12.9
SGG Resources Inc.	N/A[4]	N/A	-	N/A	-	N/A	-	N/A	523.0	-

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RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS CONS CHANGE[3]	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	GAS FLARED RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Shamrock Oil & Gas Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	102.1	-
Shapco Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	1,922.6	1,065.9
Shell Canada Upstream	100.0%		-	353	-	275	-	238	2,345.7	10,119.0
Silver Bay Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	327.2	461.7
Sirius Energy Inc.	100.0%	100.0%	-	353	-	275	-	238	502.1	80.5
Spade Resources Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	296.9	-
Standard Resources Inc.	100.0%		-	353	-	275	-	238	12,575.7	2,484.0
Starchild Energy Systems Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	14.0	-
Steen River Oil & Gas Ltd.	100.0%		-	353	-	275	-	238	18,511.8	2,333.3
Sterling Eagle Oil Corporation	100.0%		-	353	-	275	-	238	3,148.6	153.5
Stetson Oil & Gas Ltd.	100.0%	0.0%	-	353	-	275	-	238	336.1	606.3
Summerfield Energy Inc.	100.0%		-	353	-	275	-	238	404.1	112.7
Sunrise Energy Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	263.3	-
Tallgrass Energy Corp.	100.0%		-	353	-	275	-	238	4,666.8	476.4
Taylor Management Inc.	100.0%	0.0%	-	353	-	275	-	238	162.3	148.2
Teague Exploration Inc.	100.0%	5.7%	-	353	-	275	-	238	9,284.9	188.6
Texokcan Extreme General Partner Ltd.	100.0%	2.2%	-	353	-	275	-	238	1,709.0	465.1
The Locke Stock & Barrel Company Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	539.5	-
Trarion Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	131.3	484.1
TriOil Resources Ltd.	100.0%	0.0%	-	353	-	275	-	238	1,425.3	1,608.7
Tripoint Energy Ltd.	100.0%	2.4%	-	353	-	275	-	238	132.5	32.6
Unconventional Gas Resources Canada Operating, Inc.	100.0%	0.0%	-	353	-	275	-	238	1,100.8	878.7
Unicorn Agri-Oil Ltd.	100.0%	0.0%	-	353	-	275	-	238	269.3	8.3
Vertex Oil & Gas Ltd.	100.0%	0.0%	-	353	-	275	-	238	310.5	24.0
Welleco Ventures Ltd.	100.0%	42.4%	-	353	-	275	-	238	391.6	11.0
Westdrum Energy Ltd.	100.0%	0.0%	-	353	-	275	-	238	1,077.2	640.9
Western Plains Petroleum Ltd.	100.0%	0.0%	-	353	-	275	-	238	4,124.6	213.7
Westhill Resources Limited	100.0%	0.0%	-	353	-	275	-	238	1,131.4	6,910.5
Wildcat Rentals Ltd.	100.0%		-	353	-	275	-	238	1,355.3	116.7
Woodthorpe Petroleum Ltd.	N/A	N/A	-	N/A	-	N/A	-	N/A	70.6	-
Yellow Brick Energy Ltd.	100.0%	2.1%	-	353	-	275	-	238	2,462.2	1,316.8
PROVINCIAL TOTALS	**95.5%**		**616,491.7**		**282,839.0**		**333,652.7**		**69,397,482.8**	**13,737,286.3**

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1]
BONNYVILLE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Canadian Natural Resources Limited	79.4%	150,179.0	1	3,022.1	1	147,156.9	1	10,699,873.4	728,321.1
Devon Canada	83.3%	20,552.6	2	20.4	18	20,532.2	2	3,574,592.5	122,897.7
Husky Oil Operations Limited	70.6%	10,062.7	3	91.2	12	9,971.5	3	636,258.3	34,219.0
Bonavista Petroleum Ltd.	52.1%	6,130.8	4	0.4	20	6,130.4	4	90,535.1	12,804.7
Twin Butte Energy Ltd.	20.9%	4,528.1	5	-	21	4,528.1	5	181,757.9	5,720.8
Cenovus Energy Inc.	86.8%	3,797.7	6	339.9	10	3,457.8	6	1,334,640.4	28,651.6
Nexen Inc.	83.1%	2,410.1	7	2,410.1	2	-	21	1,414,733.7	14,284.7
Imperial Oil Resources	99.6%	1,973.3	8	1,873.8	3	99.5	12	8,406,863.3	439,532.5
Cenovus FCCL Ltd.	98.5%	1,158.4	9	1,158.4	4	-	21	5,929,756.9	77,665.6
Baytex Energy Ltd.	84.1%	845.5	10	565.8	6	279.7	9	84,619.1	5,299.8
ConocoPhillips Canada Resources Corp.	94.5%	705.9	11	705.9	5	-	21	1,219,520.4	12,756.1
Rife Resources Ltd.	18.3%	530.4	12	54.3	13	476.1	7	3,137.8	649.0
Statoil Canada Ltd.	95.2%	483.9	13	483.9	7	-	21	13,369.9	10,160.2
Cornacher Oil and Gas Limited	93.7%	423.0	14	423.0	8	-	21	516,740.6	6,729.2
Japan Canada Oil Sands Limited	94.2%	367.6	15	367.6	9	-	21	409,116.6	6,290.7
Bronco Energy Ltd.	98.6%	306.5	16	306.5	11	-	21	31,521.4	21,202.9
Harvest Operations Corp.	82.7%	290.4	17	-	21	290.4	8	18,951.2	1,677.2
Blackpearl Resources Inc.	0.0%	274.7	18	-	21	274.7	10	2,758.4	274.7
Signalta Resources Limited	11.7%	148.1	19	-	21	148.1	11	597.5	167.7
Meg Energy Corp.	99.0%	50.9	20	50.9	14	-	21	1,233,250.0	4,950.3
Shell Canada Energy	98.8%	38.9	21	38.9	15	-	21	193,047.5	3,222.2
Celtic Exploration Ltd.	94.5%	33.1	22	30.6	16	2.5	15	687.7	600.3
Suncor Energy Inc.	99.7%	23.4	23	23.4	17	-	21	4,936,227.6	8,776.6
Solara Exploration Ltd.	97.4%	15.2	24	-	21	15.2	13	4,872.6	581.7
Manitok Energy Inc.	0.0%	2.8	25	-	21	2.8	14	2,288.3	2.8
Petromin Resources Ltd.	0.0%	2.7	26	2.7	19	-	21	5,895.1	2.7
Manitok Exploration Inc.	0.0%	2.1	27	-	21	2.1	16	2,455.4	2.1
Serrano Energy Ltd.	0.0%	1.6	28	-	21	1.6	17	42.6	1.6
Sunshine Oilsands Ltd.	16.7%	1.0	29	-	21	1.0	18	1,640.5	1.2
Twoco Petroleums Ltd.	42.9%	0.8	30	-	21.0	0.8	19.0	313.3	1.4
Bellatrix Exploration Ltd.	0.0%	0.5	31	-	21	0.5	20	1,103.9	0.5
Hunt Oil Company of Canada, Inc.	N/A[2]	N/A	N/A	N/A	N/A	N/A	N/A	2.3	-
Westfire Energy Ltd.	100.0%	-	32	-	21	-	21	860.3	62.0
TOTALS FOR BONNYVILLE	**86.7%**	**205,341.7**		**11,969.8**		**193,371.9**		**40,952,031.5**	**1,547,510.6**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A: Not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Penn West Petroleum Ltd.	98.1%	8,959.9	1	5,518.4	2	3,441.5	1	555,624.8	459,569.8
Petrobakken Energy Ltd.	75.3%	6,214.1	2	5,741.0	1	473.1	5	98,612.0	25,115.5
Daylight Energy Ltd.	98.0%	3,467.2	3	3,466.7	3	0.5	67	585,250.7	176,350.9
Spry Energy Ltd.	70.1%	2,945.8	4	2,945.8	4	-	71	54,070.2	9,839.1
Sifton Energy Inc.	79.5%	2,349.1	5	1,747.3	5	601.8	3	43,090.1	11,471.9
Nuvista Energy Ltd.	87.3%	2,225.2	6	1,678.4	6	546.8	4	33,703.0	17,484.7
West Energy Partnership	91.3%	1,328.2	7	1,300.8	7	27.4	37	85,018.1	15,171.5
Vermilion Resources Ltd.	96.3%	1,277.3	8	1,017.5	10	259.8	7	89,322.1	34,629.1
Imperial Oil Resources	99.8%	1,270.9	9	1,056.7	9	214.2	11	197,098.7	511,788.9
Bellatrix Exploration Ltd.	86.3%	1,128.0	10	948.7	11	179.3	14	45,104.5	8,208.7
Taqa North Ltd.	95.7%	1,089.1	11	1,079.5	8	9.6	49	14,778.4	25,223.4
Bonterra Energy Corp.	98.5%	994.4	12	117.8	37	876.6	2	202,370.8	67,895.7
Spartan Exploration Ltd.	87.8%	864.7	13	864.3	12	0.4	68	26,441.9	7,109.9
Baccalieu Energy Inc.	68.7%	860.5	14	765.2	14	95.3	24	12,681.1	2,744.6
PanTerra Resource Corp.	21.1%	844.7	15	840.7	13	4.0	56	2,556.6	1,071.2
Bonavista Petroleum Ltd.	86.2%	735.2	16	697.8	15	37.4	33	17,006.8	5,328.8
Vero Energy Inc.	91.4%	676.4	17	478.1	16	198.3	12	25,582.1	7,835.7
Harvest Operations Corp.	87.0%	481.8	18	474.8	17	7.0	54	3,376.3	3,692.6
ConocoPhillips Canada (BRC) Partnership	99.6%	460.3	19	278.5	23	181.8	13	84,120.1	106,454.8
Devon Canada	66.8%	453.1	20	417.0	18	36.1	34	2,693.8	1,365.9
Advantage Oil & Gas Ltd.	92.8%	446.4	21	-	75	446.4	6	15,030.2	6,213.5
ARC Resources Ltd.	99.6%	427.6	22	173.2	33	254.4	8	458,905.2	102,894.2
EOG Resources Canada Inc.	99.0%	422.8	23	177.8	32	245.0	9	48,956.3	41,244.5
Exoro Energy Inc.	80.8%	393.4	24	393.4	19	-	71	15,860.3	2,047.4
97837 Resources Ltd.	29.0%	373.1	25	364.7	20	8.4	51	1,031.6	525.7
Compton Petroleum Corporation	96.6%	357.8	26	199.3	30	158.5	17	16,047.3	10,503.3
Baytex Energy Ltd.	98.5%	354.9	27	323.8	21	31.1	35	59,709.5	22,829.7
Crocotta Energy Inc.	99.2%	310.0	28	309.0	22	1.0	65	8,212.3	38,377.4
Path Resources Ltd.	11.3%	296.8	29	269.6	24	27.2	38	1,812.5	334.7
Enerplus Resources Corporation	98.6%	296.5	30	137.0	35.0	159.5	16.0	96,286.3	21,482.4
Crescent Point Energy Corp.	77.3%	272.0	31	255.6	26	16.4	44	1,834.6	1,198.2
Perpetual Energy Inc.	98.9%	266.3	32	266.3	25	-	71	14,331.0	23,101.0
Anterra Energy Inc.	74.1%	257.0	33	38.6	49	218.4	10	5,638.0	990.3
Exxonmobil Canada Ltd. and Exxonmobil Resources Ltd.	76.2%	246.3	34	246.3	27	-	71	937.9	1,035.4
Benjaka Exploration Inc.	0.0%	224.8	35	224.8	28	-	71	449.1	224.8

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
KinMerc Oil & Gas Inc.	19.0%	211.6	36	211.2	29	0.4	68	1,936.7	261.1
Twin Butte Energy Ltd.	73.3%	195.5	37	195.5	31	-	71	269.0	732.3
Iberdrola Canada Energy Services Ltd.	99.4%	169.4	38	-	75	169.4	15	2,563.9	26,761.8
Whitecap Resources Inc.	97.3%	166.0	39	9.4	67	156.6	18	4,151.8	6,043.8
Angle Energy Inc.	97.1%	153.7	40	30.3	51	123.4	20	10,045.2	5,234.0
Mec Operating Company ULC	85.8%	148.0	41	53.7	43	94.3	25	15,231.9	1,040.6
Oneex Operations Partnership	19.2%	144.5	42	144.5	34	-	71	1,453.7	178.8
NAL Resources Limited	99.7%	136.5	43	-	75	136.5	19	16,066.3	43,957.9
Profound Energy Inc.	99.2%	126.8	44	126.8	36	-	71	7,146.9	16,318.0
Cangild Resources Ltd.	0.0%	119.5	45	-	75	119.5	21	352.0	119.5
Conocophillips Canada Energy Partnership	99.8%	117.2	46	-	75	117.2	22	30,278.8	65,971.0
Scollard Energy Inc.	79.7%	111.2	47	-	75	111.2	23	4,397.3	548.9
Fairborne Energy Ltd.	99.7%	94.0	48	94.0	38	-	71	53,973.8	32,842.9
EnCana Corporation	98.4%	91.6	49	91.6	39	-	71	4,034.0	5,870.6
Petrocardium Exploration Ltd.	95.9%	84.0	50	84.0	40	-	71	7,958.3	2,067.5
Mancal Energy Inc.	99.4%	77.5	51	24.2	55	53.3	30	8,117.2	12,332.4
Keyera Energy Ltd.	99.8%	75.2	52	75.2	41	-	71	24,399.5	44,562.0
Skylight Energy Resources Ltd.	87.3%	74.7	53	3.9	69	70.8	26	1,125.9	586.7
Rustler Petroleum Inc.	27.1%	67.3	54	-	75	67.3	27	170.6	92.3
Delphi Energy Corp.	97.5%	65.8	55	-	75	65.8	28	4,111.5	2,600.2
White Ram Resources Ltd.	52.3%	65.6	56	-	75	65.6	29	498.5	137.5
Owl River Resources Ltd.	18.1%	58.0	57	58.0	42	-	71	468.2	70.8
Onyx 2006 Inc.	99.3%	53.1	58	22.2	59	30.9	36	3,049.7	8,072.5
Jayhawk Resources Ltd.	0.0%	47.2	59	47.2	44	-	71	94.9	47.2
Leddy Exploration Limited	86.0%	46.7	60	7.6	68	39.1	32	3,599.4	332.8
Husky Oil Operations Limited	99.6%	46.5	61	46.0	45	0.5	67	30,585.6	10,574.3
Kingsmere Resources Ltd.	0.0%	45.0	62	-	75	45.0	31	651.5	45.0
Pengrowth Corporation	92.0%	42.5	63	42.5	46	-	71	406.0	528.6
Relentless Resources Ltd.	88.1%	42.3	64	42.3	47.0	-	71.0	723.9	355.2
Signalta Resources Limited	98.3%	41.9	65	33.6	50	8.3	52	2,067.0	2,392.5
New North Resources Ltd.	92.1%	40.6	66	40.6	48	-	71	1,032.8	514.4
Stonewater Resources Inc.	0.0%	28.5	67	28.5	52	-	71	162.3	28.5
Canadian Forest Oil Ltd.	0.0%	26.3	68	26.3	53	-	71	112.0	26.3
Base Resources Inc.	99.7%	25.7	69	3.9	69	21.8	41	1,298.1	7,664.0
Nordegg Resources Inc.	99.7%	25.7	69	25.7	54	0.0	71	6,584.8	7,704.4

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Calfax Energy Inc	96.5%	24.7	70	0.2	73	24.5	39	2,132.7	704.2
Crazy Hill Resources Ltd	0.0%	24.5	71	-	75	24.5	39	364.0	24.5
Blaze Energy Ltd	99.9%	23.5	72	23.5	56	-	71	27,927.9	33,272.0
Surge Energy Inc	94.5%	23.1	73	23.1	57	-	71	169.5	416.6
Berens Energy Ltd	97.7%	22.6	74	22.6	58	-	71	2,401.7	993.6
Eclipse Resources Ltd	99.7%	22.0	75	-	75	22.0	40	7,004.7	7,166.9
Brazeau NRG Ltd	97.2%	21.3	76	21.3	60	-	71	649.2	771.1
Timberrock Energy Corp	74.8%	20.7	77	19.5	61	1.2	64	434.1	82.0
Suncor Energy Inc	98.9%	18.4	78	18.4	62	-	71	254.7	1,624.2
Joli Fou Petroleums Ltd	75.3%	17.5	79	-	75	17.5	42	1,989.9	70.8
Sword Energy Inc	99.8%	16.8	80	0.0	75	16.8	43	16,595.0	10,613.8
Northern Hunter Energy Inc	0.0%	15.6	81	0.0	75	15.6	45	89.4	15.6
Salvo Energy Corporation	99.6%	14.0	82	14.0	63	-	71	560.5	3,719.6
Harness Petroleum Inc	91.7%	12.3	83	0.0	75	12.3	46	694.0	148.4
Stonefire Energy Corp	88.4%	11.5	84	0.0	75	11.5	47	1,562.8	99.1
Anderson Energy Ltd	99.7%	11.4	85	-	75	11.4	48	9,581.6	3,316.4
Petenco Resources Ltd	45.9%	10.5	86	10.5	64	-	71	470.7	19.4
Trilogy Resources Ltd	99.7%	10.0	87	10.0	65	-	71	856.0	3,528.0
Avenir Operating Corp	0.0%	9.5	88	9.5	66	-	71	227.3	9.5
Petroglobe Inc	91.8%	9.2	89	0.0	75	9.2	50	1,026.4	111.5
Valeura Energy Inc	0.0%	7.5	90	-	75	7.5	53	35.7	7.5
Omers Energy Inc	98.1%	7.0	91	0.0	75	7.0	54	2,423.6	372.8
ConocoPhillips Canada Resources Corp	99.9%	4.1	92	0.0	75	4.1	56	3,797.9	5,187.7
385417 Alberta Ltd	99.5%	3.6	93	0.2	73	3.4	57	3,597.7	680.1
Hunt Oil Company of Canada, Inc	100.0%	3.3	94	3.3	70	-	71	3,212.1	8,672.9
Paramount Resources Ltd	99.8%	3.2	95	-	75	3.2	58	1,373.0	1,393.5
Garnet Resources Ltd	94.8%	2.9	96	-	75	2.9	59	43.4	55.8
Rockbridge Energy Alberta Inc	92.2%	2.9	96	2.9	71	-	71	11.2	37.1
Chinook Energy Partnership	99.9%	2.0	97	-	75	2.0	60	5,172.4	2,777.2
Conocophillips Western Canada Partnership	99.9%	1.8	98	-	75	1.8	61	2,585.3	1,570.8
Mount Dakota Energy Corp	0.0%	1.7	99	-	75	1.7	62	271.5	1.7
Enermark Inc	0.0%	1.5	100	0.1	74	1.4	63	309.9	1.5
Skywest Energy Corp	99.5%	1.4	101	-	75	1.4	63	1,781.8	269.2
KMD Resources Ltd	98.1%	1.2	102	0.0	75	1.2	64	580.8	64.0
Murelle Enterprises Inc	99.9%	1.2	102	-	75	1.2	64	224.6	1,139.4

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Spur Energy Corp.	0.0%	0.6	103	-	75	0.6	66	45.2	0.6
Canadian Natural Resources Limited	100.0%	0.5	104	-	75	0.5	67	13,876.9	4,951.0
Derrick Petroleum Ltd.	99.9%	0.5	104	0.0	75	0.5	67	1,450.8	534.5
Huegler Holdings Ltd.	0.0%	0.5	104	0.0	75	0.5	67	676.5	0.5
Pearson Resources Ltd.	99.0%	0.4	105	0.4	72	-	71	72.6	41.5
Trilight Energy Inc.	0.0%	0.3	106	-	75	0.3	69	60.4	0.3
Waldron Energy Corporation	0.0%	0.1	107	-	75	0.1	70	25.3	0.1
Adanac Oil & Gas Limited	100.0%	0.0	108	-	75	-	71	2,066.6	943.9
Alpetro Resources Ltd.	100.0%	-	108	-	75	-	71	977.0	4,054.2
Apache Canada Ltd.	100.0%	-	108	-	75	-	71	0.9	521.6
Arsenal Energy Inc.	100.0%	-	108	-	75	-	71	706.2	1,261.1
Beatton Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	375.6	-
Bumper Development Corporation Ltd.	100.0%	-	108	-	75	-	71	227.4	3,206.7
Celtic Exploration Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	47.2	-
Centennial Petroleum Company Ltd.	100.0%	-	108	-	75	-	71	967.6	837.6
Chinook Energy Ltd.	100.0%	-	108	-	75	-	71	27.5	1,585.5
CNPC International (Canada) Ltd.	100.0%	-	108	-	75	-	71	1,894.4	176.2
Crew Energy Inc.	100.0%	-	108	-	75	-	71	831.8	4,128.7
Emm Energy Inc.	100.0%	-	108	-	75	-	71	1,490.1	227.3
Hyperion Exploration Corp.	100.0%	-	108	-	75	-	71	398.2	1,402.2
Insignia Energy Ltd.	100.0%	-	108	-	75	-	71	1,211.4	267.9
Ish Energy Ltd.	100.0%	-	108	-	75	-	71	170.7	656.9
Land Petroleum International Inc.	N/A	-	N/A	-	N/A	-	N/A	232.2	-
Marksmen Energy Inc.	100.0%	-	108	-	75	-	71	6.8	3.8
Mosaic Energy Ltd.	100.0%	-	108	-	75	-	71	11,267.5	12,185.9
Navarone Energy Corporation	100.0%	-	108	-	75	-	71	1,652.2	915.2
Open Range Energy Corp.	100.0%	-	108	-	75	-	71	83.7	426.2
Perpetual Energy Operating Corp.	100.0%	-	108	-	75	-	71	1,801.4	6,352.4
Petro Buyers Inc.	100.0%	-	108	-	75	-	71	649.5	60.4
Petropembina Exploration Ltd.	100.0%	-	108	-	75	-	71	274.6	152.9
Primrose Drilling Ventures Ltd.	100.0%	-	108	-	75	-	71	1,043.4	528.6
Progress Energy Ltd.	100.0%	-	108	-	75	-	71	5,494.8	1,675.0
Provident Acquisitions Inc.	100.0%	-	108	-	75	-	71	21.6	1,208.0
Ravenwood Energy Corp.	100.0%	-	108	-	75	-	71	2,368.2	2,926.4
Redcliffe Exploration Inc.	100.0%	-	108	-	75	-	71	1,533.3	1,594.7

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Shanpet Resources Ltd.	100.0%	-	108	-	75	-	71	428.0	25.8
Shell Canada Upstream	100.0%	-	108	-	75	-	71	2,345.7	10,119.0
Solara Exploration Ltd.	100.0%	-	108	-	75	-	71	2,687.9	1,221.2
Standard Resources Inc.	100.0%	-	108	-	75	-	71	12,575.7	2,484.0
Stefson Oil & Gas Ltd.	100.0%	-	108	-	75	-	71	336.1	606.3
Suncor Energy Oil and Gas Partnership	100.0%	-	108	-	75	-	71	2,629.2	1,136.8
Talisman Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,155.1	3,465.7
Trilogy Blue Mountain Ltd.	N/A	-	-	-	75	0.0	71	19.5	-
Westfire Energy Ltd.	100.0%	0.0	108	0.0	75	0.0	71	1,266.1	4,381.5
Zargon Oil & Gas Ltd.	100.0%	0.0	108	0.0	75	0.0	71	4,061.0	1,081.8
TOTALS FOR DRAYTON VALLEY	**97.9%**	**47,024.5**		**36,562.6**		**10,461.9**		**3,355,610.0**	**2,244,241.8**

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Penn West Petroleum Ltd.	89.8%	6,135.5	1	5,489.3	1	646.2	3	148,056.1	60,027.3
Canadian Natural Resources Limited	98.4%	3,829.1	2	3,253.9	2	575.2	5	443,378.7	241,094.9
Husky Oil Operations Limited	98.5%	3,376.0	3	1,068.4	9	2,307.6	1	282,274.6	231,333.7
Conocophillips Canada Energy Partnership	79.8%	3,154.5	4	2,698.9	4	455.6	7	69,595.9	15,593.3
Taqa North Ltd.	90.6%	2,939.0	5	2,448.9	5	490.1	6	33,750.2	31,344.0
Galleon Energy Inc.	96.4%	2,881.6	6	2,835.2	3	46.4	29	146,267.4	80,641.8
ARC Resources Ltd.	99.1%	2,167.1	7	2,109.5	6	57.6	27	181,533.7	250,714.9
Bonavista Petroleum Ltd.	97.3%	2,091.7	8	1,502.6	7	589.1	4	134,987.7	76,116.4
Devon Canada	98.1%	1,754.7	9	1,445.1	8	309.6	10	183,609.5	90,610.4
Bellamont Exploration Ltd.	97.3%	1,154.1	10	882.7	12	271.4	11	43,057.7	42,589.2
Talisman Energy Inc.	98.6%	1,083.1	11	1,032.8	10	50.3	28	75,249.5	77,410.7
Milestone Exploration Inc.	37.2%	990.4	12	990.4	11	-	59	1,479.3	1,577.5
Birchcliff Energy Ltd.	98.8%	920.1	13	565.4	19	354.7	9	162,764.3	78,540.1
NAL Resources Limited	99.5%	829.7	14	745.5	13	84.2	23	120,046.4	179,846.5
Baytex Energy Ltd.	95.3%	823.4	15	0.9	88	822.5	2	525,245.4	17,420.9
Shell Canada Energy	97.5%	777.8	16	633.0	15	144.8	16	399,397.7	31,162.4
Crew Energy Inc.	17.2%	730.6	17	655.8	14	74.8	24	5,829.5	881.9
Trilogy Resources Ltd.	98.4%	725.6	18	616.2	17	109.4	20	102,727.5	44,513.6
Enermark Inc.	98.2%	702.0	19	507.8	21	194.2	14	31,381.8	38,686.4
Paramount Resources Ltd.	98.1%	627.0	20	621.2	16	5.8	46	17,688.2	32,913.9
Glenogle Energy Inc.	90.7%	576.3	21	576.3	18	-	59	11,873.8	6,220.9
Venturion Natural Resources Limited	95.4%	548.4	22	548.4	20	-	59	68,259.0	11,881.4
Crescent Point Energy Corp.	96.2%	501.7	23	501.7	22	-	59	27,791.8	13,244.2
Siphon Energy Corp.	16.1%	484.0	24	484.0	23	-	59	1,133.6	576.5
Transaction Oil & Gas Ventures Inc.	0.0%	441.4	25	-	92	441.4	8	3,031.5	441.4
Iteration Energy Ltd.	98.9%	400.4	26	394.2	24	6.2	45	41,074.9	35,030.8
Rife Resources Ltd.	98.5%	386.1	27	352.8	27	33.3	32	3,857.6	25,333.4
Seaview Energy Inc.	73.7%	379.1	28	379.1	25	-	59	5,927.9	1,442.9
Mosaic Energy Ltd.	95.8%	368.6	29	368.6	26	-	59	7,789.0	8,780.0
Signalta Resources Limited	5.7%	323.2	30	70.9	62	252.3	12	2,663.2	342.7
1471002 Alberta Ltd.	0.0%	319.5	31	319.5	28	-	59	645.0	319.5
Harvest Operations Corp.	97.7%	312.0	32	204.2	38	107.8	21	31,605.5	13,697.4
EnCana Corporation	99.3%	307.4	33	280.2	29	27.2	36	39,883.9	43,074.0
Navarone Energy Corporation	0.0%	305.6	34	268.6	31	37.0	30	629.8	305.6
Advantage Oil & Gas Ltd.	98.3%	287.6	35	189.4	39	98.2	22	29,119.9	17,006.2

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Daylight Energy Ltd.	99.3%	280.6	36	86.8	60	193.8	15	72,879.7	40,702.0
Exshaw Oil Corp.	99.5%	278.3	37	278.3	30	-	59	38,023.5	54,026.2
BP Canada Energy Company	39.9%	268.8	38	265.0	32	3.8	49	2,097.0	447.1
EOG Resources Canada Inc.	10.3%	261.0	39	142.5	50	118.5	18	1,771.2	290.9
Apache Canada Ltd.	92.2%	244.7	40	229.5	33	15.2	39	51,791.3	3,115.7
Twin Butte Energy Ltd.	99.4%	241.7	41	29.1	71	212.6	13	7,977.2	37,423.1
Progress Energy Ltd.	96.8%	231.3	42	165.3	44	66.0	25	5,723.1	7,211.2
Perpetual Energy Inc.	20.2%	220.4	43	220.4	34	-	59	317.1	276.3
Provident Energy Resources Inc.	96.7%	218.4	44	103.9	58	114.5	19	36,453.9	6,629.1
Flow-Back Oil & Gas Ltd.	0.0%	216.1	45	216.1	35	-	59	140.2	216.1
Exoro Energy Inc.	0.0%	207.3	46	207.3	36	-	59	827.9	207.3
Caltex Energy Inc.	89.6%	207.1	47	207.1	37	-	59	3,749.9	1,981.6
Ribbon Creek Resources Inc.	92.6%	205.6	48	175.6	42	30.0	33	4,595.0	2,774.1
Iteration Energy	98.9%	189.9	49	184.8	41	5.1	48	20,836.5	17,667.6
Profound Energy Inc.	72.7%	185.9	50	185.9	40	-	59	1,655.7	679.9
Canext Energy Ltd.	95.3%	174.1	51	174.1	43	-	59	32,087.0	3,707.4
Pace Oil & Gas Ltd.	97.6%	166.5	52	138.6	52	27.9	35	77,155.3	6,946.8
Temple Energy Partnership	15.8%	162.4	53	162.4	45	-	59	120.0	192.9
Sonde Resources Corp.	14.8%	156.2	54	156.1	46	0.1	58	483.6	183.3
Artek Exploration Ltd.	90.9%	152.0	55	151.9	47	0.1	58	3,222.5	1,660.7
Barrick Energy Inc.	99.8%	150.1	56	150.1	48	-	59	172,724.0	60,746.6
Temple Energy Inc.	0.0%	147.0	57	147.0	49	-	59	78.3	147.0
Dirham Oil (2000) Inc.	0.0%	141.7	58	141.7	51	-	59	350.8	141.7
Prosper Petroleum Ltd.	0.0%	126.5	59	-	92	126.5	17	98,917.0	126.5
Bering Exploration, Company, Ulc	0.0%	120.3	60	120.3	53	-	59	2,410.4	120.3
Polar Star Canadian Oil and Gas, Inc.	99.2%	114.4	61	109.2	57	5.2	47	32,920.9	13,639.9
Whitecap Resources Inc.	99.8%	112.0	62	112.0	54	-	59	64,993.1	53,110.9
Cequence Acquisitions Ltd.	0.0%	111.5	63	111.5	55	-	59	69.8	111.5
Barnwell of Canada, Limited	97.5%	109.4	64	109.4	56	-	59	7,394.3	4,297.1
Altia Energy Ltd.	0.0%	93.6	65	93.6	59	-	59	276.1	93.6
Cumberland Oil & Gas Ltd.	19.3%	86.4	66	75.7	61	10.7	42	755.7	107.0
ConocoPhillips Canada (BRC) Partnership	99.8%	71.1	67	9.9	82	61.2	26	52,313.8	34,844.3
Cequence Energy Ltd.	99.5%	69.9	68	35.3	67	34.6	31	7,641.7	15,209.8
Ravenwood Energy Corp.	98.9%	69.9	68	69.9	63	-	59	8,033.0	6,251.4
Sure Energy Inc.	97.9%	59.6	69	30.3	70	29.3	34	1,083.4	2,834.1

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Chinook Energy Partnership	20.3%	48.0	70	48.0	64	-	59	315.1	60.2
Nuloch Resources Inc.	98.2%	39.0	71	39.0	65	-	59	18,168.1	2,217.0
Standard Energy Inc.	99.3%	35.6	72	35.6	66	-	59	1,781.4	5,402.4
Delphi Energy Corp.	99.8%	34.7	73	34.0	68	0.7	55	46,656.3	19,123.4
Kaiser Exploration Ltd.	99.5%	34.4	74	21.4	73	13.0	41	8,958.2	6,619.1
Terra Energy Corp.	98.4%	30.5	75	30.5	69	-	59	15,294.5	1,952.1
Shoreline Acquisition Corp.	99.0%	22.1	76	22.1	72	-	59	846.3	2,163.8
Trilogy Blue Mountain Ltd.	95.2%	18.5	77	18.5	74	-	59	837.5	386.1
Imperial Oil Resources	99.2%	17.6	78	17.6	75	-	59	24,726.3	2,326.3
Coastal Resources Limited	98.0%	17.4	79	-	92	17.4	37	1,776.1	853.4
Clampett Energy Ltd.	85.5%	15.9	80	-	92	15.9	38	1,311.2	109.8
Bounty Developments Ltd.	0.0%	15.6	81	15.6	76	-	59	692.8	15.6
Suncor Energy Inc.	99.9%	15.1	82	15.1	77	-	59	14,991.8	20,398.8
Glencoe Resources Ltd.	0.0%	13.9	83	0.4	90	13.5	40	737.1	13.9
Western Canada Energy Ltd.	98.5%	13.8	84	13.8	78	-	59	319.7	896.8
Chinook Energy Ltd.	4.4%	13.0	85	13.0	79	-	59	142.4	13.6
Ki Exploration Inc.	98.6%	13.0	85	-	92	13.0	41	985.2	942.7
Surge Energy Inc.	99.6%	12.0	86	12.0	80	-	59	1,800.1	3,208.1
ConocoPhillips Canada Resources Corp.	0.9%	10.5	87	10.5	81	-	59	101.9	10.6
Celtic Exploration Ltd.	14.8%	9.2	88	0.6	89	8.6	43	182.1	10.8
Madison Energy Corp.	85.6%	7.9	89	-	92	7.9	44	680.5	54.9
Provident Acquisitions Inc.	4.8%	7.9	89	7.9	83	-	59	81.5	8.3
Bernum Petroleum Ltd.	80.7%	6.7	90	6.7	84	-	59	1,995.0	34.7
Ridgeback Exploration Ltd.	78.9%	5.7	91	5.3	85	0.4	56	241.5	27.0
Radius Resources Corp.	0.0%	5.6	92	2.9	86	2.7	51	79.9	5.6
Reber Exploration Ltd.	0.0%	3.6	93	-	92	3.6	50	96.1	3.6
Ascent Energy Ltd.	99.6%	2.1	94	-	92	2.1	52	781.7	516.1
Fairborne Energy Ltd.	99.6%	2.0	95	2.0	87	-	59	2,031.8	544.3
Seven Generations Energy Ltd.	100.0%	1.8	96	-	92	1.8	53	1,535.8	6,188.4
Canadian Rockies Petroleum Corp.	98.3%	1.3	97	-	92	1.3	54	43.7	74.9
Four Winds Energy Services Ltd.	81.3%	0.9	98	0.9	88	-	59	32.6	4.8
Trilogy Redsky Ltd.	99.7%	0.7	99	-	92	0.7	55	123.9	240.7
Suncor Energy Oil and Gas Partnership	100.0%	0.4	100	0.4	90	-	59	1,253.4	1,636.5
Storm Exploration Inc.	0.0%	0.3	101	-	92	0.3	57	230.0	0.3
Yoho Resources Inc.	99.8%	0.3	101	0.3	91	-	59	238.9	133.7

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Canadian Coastal Resources Ltd.	0.0%	0.1	102	-	92	0.1	58	51.0	0.1
Alpetro Resources Ltd.	100.0%	-	103	-	92	-	59	137.0	78.4
Berens Energy Ltd.	100.0%	-	103	-	92	-	59	278.8	1,400.3
Capio Exploration Ltd.	100.0%	-	103	-	92	-	59	2,894.9	720.0
Cinch Energy Corp.	100.0%	-	103	-	92	-	59	1,614.4	593.2
Deethree Exploration Ltd.	100.0%	-	103	-	92	-	59	637.2	247.5
Enerplus Resources Corporation	100.0%	-	103	-	92	-	59	24,420.3	5,919.6
Equal Energy Corp.	100.0%	-	103	-	92	-	59	14,008.0	5,749.6
Gear Energy Ltd.	100.0%	-	103	-	92	-	59	605.5	149.3
Hanna Oil & Gas Company - Canada ULC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.3	-
Hermes Financial Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	182.9	-
Hunt Oil Company of Canada, Inc.	100.0%	-	103	-	92	-	59	99,669.2	17,609.8
Insignia Energy Ltd.	100.0%	-	103	-	92	-	59	8,313.9	3,666.5
Novus Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	41.3	-
Nuvista Energy Ltd.	100.0%	-	103	-	92	-	59	3,991.6	1,617.7
Oban Energy Ltd.	100.0%	-	103	-	92	-	59	7,227.6	7,316.4
Orleans Energy Ltd.	100.0%	-	103	-	92	-	59	7,379.2	7,314.5
Pengrowth Corporation	100.0%	-	103	-	92	-	59	18,611.7	4,062.3
Petrobakken Energy Ltd.	100.0%	-	103	-	92	-	59	991.2	5,760.7
Peyto Exploration & Development Corp.	100.0%	-	103	-	92	-	59	824.5	1,237.9
Redcliffe Exploration Inc.	100.0%	-	103	-	92	-	59	716.0	7,284.9
Relentless Resources Ltd.	100.0%	-	103	-	92	-	59	71.2	993.4
Response Energy Corporation	100.0%	-	103	-	92	-	59	199.9	17.3
Revolution Resources Ltd.	100.0%	-	103	-	92	-	59	368.2	62.7
Summerfield Energy Inc.	100.0%	-	103	-	92	-	59	404.1	112.7
Surat Energy Inc.	100.0%	-	103	-	92	-	59	211.5	594.4
Texokcan Extreme General Partner Ltd.	100.0%	-	103	-	92	-	59	1,709.0	465.1
Tripoint Energy Ltd.	100.0%	0.0	103	0.0	92	0.0	59	132.5	32.6
Unconventional Gas Resources Canada Operating	100.0%	0.0	103	0.0	92	0.0	59	1,100.8	878.7
Westfire Energy Ltd.	100.0%	0.0	103	0.0	92	0.0	59	3,258.2	6,349.2
Zargon Oil & Gas Ltd.	100.0%	0.0	103	0.0	92	0.0	59	803.3	108.8
TOTALS FOR GRANDE PRAIRIE	**97.9%**	**49,963.1**		**40,212.1**		**9,751.0**		**4,546,396.0**	**2,335,379.6**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1]
HIGH LEVEL CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Apache Canada Ltd.	97.5%	3,662.3	1	3,662.3	1	-	9	196,677.4	146,460.8
Nuvista Energy Ltd.	72.3%	1,260.2	2	1,260.2	2	-	9	44,238.7	4,564.2
Husky Oil Operations Limited	99.9%	980.3	3	978.3	3	2.0	8	666,225.3	1,277,422.5
Imperial Oil Resources	99.2%	787.5	4	787.5	4	-	9	60,899.3	93,200.1
Bearspaw Petroleum Ltd.	0.0%	735.7	5	735.7	5	-	9	13,102.1	735.7
ARC Resources Ltd.	91.8%	477.7	6	472.8	6	4.9	6	39,527.5	5,850.6
Arcan Resources Ltd.	95.9%	440.9	7	440.9	7	-	9	36,103.0	10,789.5
Provident Energy Ltd.	0.0%	400.2	8	395.8	8	4.4	7	2,981.0	400.2
Iteration Energy Ltd.	88.6%	373.8	9	373.8	9	-	9	33,850.9	3,276.2
Pace Oil & Gas Ltd.	88.6%	326.5	10	321.2	10	5.3	5	8,931.2	2,864.3
Exxonmobil Canada Ltd. and Exxonmobil Resources Ltd.	98.0%	320.4	11	320.4	11	-	9	7,396.5	16,062.2
Polar Star Canadian Oil And Gas, Inc.	81.4%	285.1	12	285.1	12	-	9	16,829.7	1,532.2
Canadian Coastal Resources Ltd.	0.0%	216.1	13	216.1	13	-	9	1,453.5	216.1
Iteration Energy	84.5%	210.2	14	187.6	14	22.6	2	12,342.9	1,357.8
Barrier Reef Resources Ltd.	0.0%	77.0	15	77.0	15	-	9	1,761.4	77.0
Enerplus Commercial Trust	99.8%	70.1	16	42.9	16	27.2	1	41,411.7	31,169.4
ConocoPhillips Canada (BRC) Partnership	100.0%	29.1	17	9.4	18	19.7	3	27,325.5	58,302.5
EOG Resources Canada Inc.	14.7%	22.1	18	22.1	17	-	9	499.7	25.9
Drake Energy Ltd.	55.0%	16.3	19	-	21	16.3	4	795.5	36.2
Duel Energy Inc.	0.0%	6.9	20	6.9	19	-	9	163.6	6.9
Canadian Natural Resources Limited	99.9%	6.8	21	6.8	20	-	9	2,304.4	5,275.3
Corinthian Energy Corp.	100.0%	0.0	22	0.0	21	0.0	9	1,744.1	169.3
Devon Canada	100.0%	-	22	-	21	-	9	4,044.2	10,370.3
Steen River Oil & Gas Ltd.	100.0%	0.0	22	0.0	21	0.0	9	18,511.8	2,333.3
Surge Energy Inc.	100.0%	-	**22**	-	21	-	9	2,018.6	160.2
Wellco Ventures Ltd.	100.0%	0.0	22	0.0	21	0.0	9	391.6	11.0
TOTALS FOR HIGH LEVEL	**99.4%**	**10,705.2**		**10,602.8**		**102.4**		**1,240,531.1**	**1,672,659.7**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Husky Oil Operations Limited	89.0%	6,589.9	1	6,332.2	1	257.7	6	478,322.2	59,953.4
Penn West Petroleum Ltd.	85.7%	4,433.6	2	4,208.4	2	225.2	8	291,006.0	31,037.6
Avenir Operating Corp.	25.1%	2,969.3	3	2,961.7	3	7.6	32	26,363.3	3,964.6
Canadian Natural Resources Limited	96.4%	2,556.9	4	2,393.0	4	163.9	9	462,857.4	70,750.3
Cenovus Energy Inc.	97.7%	2,226.2	5	1,358.7	8	867.5	1	971,963.2	96,117.6
Harvest Operations Corp.	89.0%	1,878.5	6	1,847.9	5	30.6	17	173,418.8	17,104.4
Crew Energy Inc.	97.3%	1,477.9	7	1,477.9	6	-	51	210,353.1	56,427.4
Zargon Oil & Gas Ltd.	54.4%	1,370.3	8	1,369.9	7	0.4	50	54,826.6	3,001.5
ARC Resources Ltd.	49.5%	1,357.1	9	1,357.1	9	-	51	49,272.0	2,687.6
EOG Resources Canada Inc.	55.2%	948.5	10	940.3	10	8.2	31	2,645.2	2,117.2
Celtic Exploration Ltd.	86.4%	895.1	11	834.3	12	60.8	15	30,454.5	6,592.2
Pengrowth Corporation	97.1%	892.7	12	775.1	14	117.6	12	204,405.2	31,070.2
Trafina Energy Ltd.	6.6%	870.2	13	870.2	11	-	51	1,827.9	931.5
Bonavista Petroleum Ltd.	92.9%	864.9	14	25.5	38	839.4	2	125,935.0	12,251.3
Iteration Energy Ltd.	71.0%	831.5	15	825.5	13	6.0	35	27,060.1	2,867.1
Conocophillips Canada Energy Partnership	97.4%	692.6	16	133.7	25	558.9	3	62,721.9	26,685.2
Compass Petroleum Inc.	87.5%	649.6	17	631.9	15	17.7	21	16,239.1	5,192.8
Enerplus Resources Corporation	99.1%	579.4	18	579.4	16	-	51	134,653.4	65,719.5
Enerplus Oil & Gas Ltd.	0.0%	566.8	19	566.8	17	-	51	2,207.1	566.8
Iteration Energy	61.3%	507.4	20	497.4	18	10.0	27	11,492.6	1,312.1
Alberta Petroleum Energy Limited	6.9%	483.4	21	323.6	19	159.8	10	3,078.2	519.3
Wild Stream Exploration Inc.	66.2%	459.3	22	218.8	23	240.5	7	18,217.2	1,359.0
Enermark Inc.	91.1%	452.1	23	41.4	35	410.7	4	205,356.3	5,101.9
Sword Energy Inc.	93.5%	400.0	24	60.8	31	339.2	5	25,576.4	6,143.2
Taqa North Ltd.	96.9%	297.0	25	293.8	20	3.2	39	88,942.3	9,648.8
Mosaic Energy Ltd.	55.3%	265.3	26	265.3	21	-	51	8,133.0	593.7
Pace Oil & Gas Ltd.	95.0%	237.1	27	226.8	22	10.3	26	5,831.7	4,749.8
Amarone Oil & Gas Ltd.	97.5%	156.0	28	156.0	24	-	51	11,882.3	6,165.2
ConocoPhillips Canada Resources Corp.	97.6%	154.7	29	-	56	154.7	11	15,149.3	6,428.9
Advantage Oil & Gas Ltd.	70.4%	109.6	30	109.6	26	-	51	2,856.8	370.2
Equal Energy Corp.	98.7%	107.3	31	107.3	27	-	51	16,181.8	8,224.6
Provident Energy Ltd.	96.0%	100.5	32	100.5	28	-	51	2,164.0	2,523.2
San Juan Resources Inc.	70.3%	75.8	33	-	56	75.8	13	496.4	256.3
1412270 Alberta Ltd.	0.0%	70.5	34	-	56	70.5	14	5,095.0	69.4
Hunt Oil Company of Canada, Inc.	0.0%	62.8	35	62.8	29	-	51	81.5	62.8

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Signalta Resources Limited	98.1%	61.6	36	61.6	30	-	51	3,775.5	3,165.8
Twin Butte Energy Ltd.	96.8%	54.6	37	-	56	54.6	16	5,911.0	1,709.4
Paramount Resources Ltd.	98.7%	43.9	38	43.9	32	-	51	18,284.4	3,488.5
Berry Creek Resources Inc.	82.7%	42.1	39	42.1	33	-	51	167.9	243.3
935821 Alberta Ltd.	0.0%	42.0	40	42.0	34	-	51	472.7	42.0
Baytex Energy Ltd.	99.1%	37.7	41	37.7	36	-	51	12,778.5	4,122.8
Fairwest Energy Corporation	98.2%	32.3	42	22.6	40	9.7	28	2,983.1	1,743.9
Base Resources Inc.	81.7%	31.6	43	31.6	37	-	51	292.6	173.1
Provident Acquisitions L.P.	95.2%	30.1	44	21.6	41	8.5	30	1,744.0	626.3
Petrobakken Energy Ltd.	98.0%	29.9	45	18.4	43	11.5	24	9,962.9	1,463.0
Direct Energy Marketing Limited	99.6%	27.6	46	20.1	42	7.5	33	9,501.5	6,602.8
Oakmont Energy Ltd.	73.2%	25.3	47	25.3	39	-	51	2,755.4	94.4
Strategic Oil & Gas Ltd.	97.2%	21.3	48	-	56	21.3	18	8,835.9	746.6
Blackpearl Resources Inc.	0.0%	20.2	49	-	56	20.2	19	446.9	20.2
Ki Exploration Inc.	0.0%	19.4	50	-	56	19.4	20	377.5	19.4
Varenna Energy Ltd.	22.0%	19.1	51	16.3	44	2.8	42	1,264.9	24.5
NAL Resources Limited	97.0%	17.9	52	14.1	47	3.8	37	5,119.8	589.5
Tykewest Limited	90.0%	17.7	53	11.4	48	6.3	34	2,428.2	177.8
Ridal Resource Ltd.	0.0%	17.2	54	-	56	17.2	22	163.0	17.2
Surge Energy Inc.	98.0%	16.4	55	15.2	46	1.2	45	4,747.3	811.2
Esprit Exploration Ltd.	97.1%	15.9	56	0.3	55	15.6	23	1,002.2	543.9
Arsenal Energy Inc.	97.8%	15.4	57	15.4	45	-	51	1,205.9	699.3
Reid Resources Ltd.	0.0%	11.0	58	-	56	11.0	25	1,035.2	11.0
Petroglobe Inc.	0.0%	10.7	59	1.1	54	9.6	29	405.1	10.7
Exall Energy Corporation	0.0%	6.5	60	3.6	52	2.9	41	594.2	6.5
Sonde Resources Corp.	99.8%	6.5	60	5.9	50	0.6	49	4,214.7	3,284.6
Monterey Exploration Ltd.	96.8%	6.2	61	6.2	49	-	51	1,168.7	190.8
Centrica Canada Limited	98.8%	5.7	62	5.0	51	0.7	48	874.3	480.1
Indra Oil & Gas Ltd.	0.0%	4.4	63	1.3	53	3.1	40	455.3	4.4
Sanford Petroleum Ltd.	0.0%	3.9	64	-	56	3.9	36	143.8	3.9
Edalis Energy Inc.	0.0%	3.7	65	-	56	3.7	38	532.1	3.7
Enerstar Petroleum Corp.	0.0%	2.7	66	-	56	2.7	43	483.2	2.7
Band Energy Resources Ltd.	86.2%	1.8	67	-	56	1.8	44	181.0	13.0
Wrangler West Energy Corp.	99.7%	1.8	67	-	56	1.8	44	5,987.2	535.2
Anterra Energy Inc.	97.8%	1.2	68	-	56	1.2	45	2,207.9	54.6

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[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
MEDICINE HAT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Ascent Energy Ltd.	0.0%	1.0	69	-	56	1.0	46	263.6	1.0
Northern Hunter Energy Inc.	100.0%	1.0	69	0.3	55	0.7	48	1,706.4	1,948.8
Nuvista Energy Ltd.	99.6%	1.0	69	-	56	1.0	46	2,485.0	255.9
Berens Energy Ltd.	98.8%	0.8	70	-	56	0.8	47	425.6	65.6
1288131 Alberta Ltd.	100.0%	-	71	-	56	-	51	273.1	109.1
Ashton Oil & Gas Ltd.	100.0%	-	71	-	56	-	51	2,581.0	115.1
Avalon Energy Ltd.	100.0%	-	71	-	56	-	51	993.6	57.7
Bentley Oil & Gas Ltd.	100.0%	-	71	-	56	-	51	0.3	0.3
BNP Resources Inc.	100.0%	-	71	-	56	-	51	242.2	175.4
Canadian Coyote Energy Ltd.	100.0%	-	71	-	56	-	51	2,121.1	36.2
Coastal Resources Limited	100.0%	-	71	-	56	-	51	209.0	349.2
Crescent Point Energy Corp.	100.0%	-	71	-	56	-	51	1,000.9	500.4
Deethree Exploration Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	-
Eiger Energy Ltd.	100.0%	-	71	-	56	-	51	1,470.1	63.6
Exoro Energy Inc.	100.0%	-	71	-	56	-	51	388.5	244.7
Frontier Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	187.1	-
Gryphon Petroleum Corp.	100.0%	-	71	-	56	-	51	2,549.8	192.8
Insignia Energy Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	54.4	-
International Frontier Resources Corporation	100.0%	-	71	-	56	-	51	1,614.7	105.7
Lockwood Resources Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.3	-
Newcrest Resources Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.0	-
Novus Energy Inc.	100.0%	-	71	-	56	-	51	805.9	10.5
Palliser Oil & Gas Corporation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	66.6	-
Radius Resources Corp.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.2	-
Silver Bay Resources Ltd.	100.0%	-	71	-	56	-	51	327.2	461.7
Solara Exploration Ltd.	100.0%	-	71	-	56	-	51	49.9	326.8
Westdrum Energy Ltd.	100.0%	-	71	-	56	-	51	-	43.2
TOTALS FOR MEDICINE HAT	**93.6%**	**37,298.9**		**32,416.6**		**4,882.3**		**3,879,448.6**	**584,355.4**

[1] Cautions is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.
[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Bearspaw Petroleum Ltd.	25.0%	2,185.7	1	2,185.7	1	-	60	13,436.7	2,915.7
Equal Energy Corp.	0.5%	1,970.7	2	1,745.4	2	225.3	3	6,413.3	1,980.2
NAL Resources Limited	98.4%	1,391.3	3	1,230.4	3	160.9	9	76,620.9	86,182.8
Bonavista Petroleum Ltd.	91.1%	1,280.4	4	617.1	7	663.3	1	74,794.1	14,346.0
Petrobakken Energy Ltd.	95.6%	1,265.1	5	1,215.9	4	49.2	23	35,220.9	28,615.3
Pace Oil & Gas Ltd.	92.5%	1,000.1	6	982.1	5	18.0	31	35,539.7	13,264.6
Husky Oil Operations Limited	99.2%	805.9	7	691.8	6	114.1	13	83,665.9	104,557.9
Surge Energy Inc.	75.5%	694.0	8	610.8	8	83.2	18	7,759.2	2,829.0
Tamarack Valley Energy Ltd.	0.0%	572.0	9	572.0	9	-	60	1,713.1	572.0
Drumlin Energy Corp.	76.4%	565.8	10	0.3	61	565.5	2	19,883.2	2,394.6
Ki Exploration Inc.	91.6%	526.7	11	526.7	10	-	60	1,413.9	6,231.6
Penn West Petroleum Ltd.	97.3%	465.2	12	345.2	15	120.0	11	52,344.6	17,211.1
Terrex Energy Inc.	53.0%	403.3	13	402.7	11	0.6	54	1,781.6	857.3
Compton Petroleum Corporation	97.0%	401.8	14	248.6	19	153.2	10	22,482.8	13,438.1
Traverse Energy Ltd.	44.4%	396.8	15	394.1	12	2.7	48	2,472.1	713.9
Conserve Oil Corporation	0.0%	393.8	16	361.3	13	32.5	29	2,525.1	393.8
Canadian Natural Resources Limited	99.1%	357.1	17	348.7	14	8.4	40	149,620.3	39,411.9
Harvest Operations Corp.	99.3%	341.6	18	341.6	16	-	60	61,847.2	45,572.5
Provident Acquisitions L.P.	93.0%	323.9	19	323.9	17	-	60	14,712.3	4,655.1
Oakmont Energy Ltd.	84.3%	303.1	20	262.7	18	40.4	26	3,167.4	1,935.0
Provident Energy Ltd.	95.7%	241.9	21	226.5	21	15.4	34	11,957.7	5,667.5
Avenir Operating Corp.	22.1%	241.8	22	230.4	20	11.4	38	1,619.3	310.4
Legacy TV Ltd.	99.2%	236.2	23	22.6	47	213.6	4	133,061.3	29,922.8
Exxonmobil Canada Ltd. and Exxonmobil Resources Ltd.	96.9%	229.8	24	60.4	34	169.4	7	41,964.5	7,422.8
Advantage Oil & Gas Ltd.	98.1%	210.8	25	-	63	210.8	5	15,861.3	10,978.0
Argosy Energy Inc.	34.9%	177.7	26	-	63	177.7	6	1,241.4	273.1
Venturion Natural Resources Limited	97.4%	177.7	26	161.3	23	16.4	32	32,406.5	6,715.7
Sutton Energy Ltd.	0.0%	176.4	27	176.4	22	-	60	263.5	176.4
Sphere Energy Corp.	33.4%	170.6	28	124.7	26	45.9	24	2,641.0	256.2
ARC Resources Ltd.	93.5%	167.4	29	63.8	33	103.6	15	8,293.1	2,554.4
Conocophillips Canada Energy Partnership	99.2%	162.2	30	44.6	38	117.6	12	19,241.2	20,903.2
Signalta Resources Limited	72.6%	161.5	31	0.2	62	161.3	8	2,047.5	589.5
Trafina Energy Ltd.	0.0%	152.3	32	152.3	24	-	60	187.8	152.3
Pengrowth Corporation	95.8%	141.3	33	31.0	44	110.3	14	24,303.9	3,322.6
Cenovus Energy Inc.	99.9%	132.6	34	126.4	25	6.2	43	214,128.8	93,064.0

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

[2] N/A in the table indicates not applicable since there was no solution gas production.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Cowboy Exploration Ltd.	0.0%	104.1	35	104.1	27	-	60	236.3	104.1
Sonde Resources Corp.	98.1%	94.4	36	-	63	94.4	16	9,030.8	5,017.1
Corinthian Energy Corp.	95.0%	84.5	37	-	63	84.5	17	4,568.1	1,672.9
Pradera Resources Inc.	0.0%	83.3	38	83.3	28	-	60	164.6	83.3
Coastal Resources Limited	91.9%	82.6	39	79.1	29	3.5	47	1,416.8	1,016.0
Wolf Coulee Resources Inc.	99.2%	78.6	40	77.6	30	1.0	52	9,664.2	10,025.4
DLS Energy Ltd.	0.0%	75.8	41	75.8	31	-	60	111.4	75.8
Concerto Resources Ltd.	30.9%	70.4	42	-	63	70.4	19	511.0	101.9
Sword Energy Inc.	88.9%	69.4	43	27.3	45	42.1	25	1,456.3	626.9
Band Energy Resources Ltd.	42.7%	69.0	44	53.6	35	15.4	34	213.8	120.5
Shanpet Resources Ltd.	0.0%	67.3	45	-	63	67.3	20	1,558.8	67.3
Hunt Oil Company of Canada, Inc.	99.2%	67.0	46	67.0	32	-	60	12,859.7	8,811.5
Ridal Resource Ltd.	0.0%	54.6	47	-	63	54.6	21	1,323.7	54.6
Petro Viking Management Corp.	0.0%	50.9	48	-	63	50.9	22	243.0	50.9
Milestone Exploration Inc.	95.1%	49.9	49	49.9	36	-	60	13,343.4	1,022.8
Daylight Energy Ltd.	90.8%	49.0	50	49.0	37	-	60	1,709.0	534.0
Paramount Resources Ltd.	0.0%	46.5	51	38.9	40	7.6	41	178.7	46.5
Bowood Energy Ltd.	98.1%	42.0	52	42.0	39	-	60	2,281.2	2,258.5
ConocoPhillips Canada (BRC) Partnership	98.6%	38.2	53	1.6	59	36.6	27	6,475.9	2,635.6
Apache Canada Ltd.	96.7%	36.3	54	-	63	36.3	28	1,178.1	1,092.3
Mika Resources Ltd.	95.9%	35.0	55	35.0	41	-	60	279.6	857.6
Baytex Energy Ltd.	99.3%	33.8	56	33.8	42	-	60	15,839.5	4,594.7
Cal-Ranch Resources Inc.	0.0%	33.2	57	33.2	43	-	60	441.2	33.2
Rise Resources Corp.	91.9%	26.1	58	26.1	46	-	60	920.5	321.4
545279 Alberta Limited	0.0%	26.0	59	-	63	26.0	30	210.2	26.0
Canadian Forest Oil Ltd.	99.7%	25.1	60	12.4	50	12.7	36	4,292.2	8,006.1
Crescent Point Energy Corp.	99.6%	24.8	61	19.6	48	5.2	45	13,842.9	5,596.3
EOG Resources Canada Inc.	99.8%	20.7	62	5.1	55	15.6	33	11,130.9	12,777.5
Taqa North Ltd.	100.0%	15.0	63	-	63	15.0	35	25,571.3	43,136.0
Provident Acquisitions Inc.	96.6%	14.9	64	14.0	49	0.9	53	643.8	441.6
Tandem Energy Corporation	99.3%	12.5	65	-	63	12.5	37	2,737.0	1,879.8
Danan Resources Ltd.	99.0%	11.4	66	11.4	51	-	60	2,192.6	1,146.1
Hard Rock Resources Ltd.	67.4%	10.2	67	-	63	10.2	39	832.3	31.3
Second Wave Petroleum Inc.	0.0%	9.4	68	7.2	53	2.2	49	876.4	9.4
Zargon Oil & Gas Ltd.	99.8%	8.6	69	8.4	52	0.2	58	26,810.8	3,376.0

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Indra Oil & Gas Ltd	0.0%	7.7	70	6.7	54	1.0	52	488.4	7.7
NEO Exploration Inc.	20.7%	6.5	71	-	63	6.5	42	805.0	8.2
Silver Blaze Energy Ltd.	95.9%	5.6	72	-	63	5.6	44	465.6	136.9
Jaco Energy Limited	88.2%	3.7	73	-	63	3.7	46	331.0	31.3
Alban Energy Ltd.	0.0%	3.3	74	3.3	56	-	60	17.4	3.3
Edalis Energy Inc.	99.2%	3.2	75	3.2	57	-	60	1,222.1	401.0
Ferrybank Resources Ltd.	59.6%	1.9	76	-	63	1.9	50	198.5	4.7
Petropembina Exploration Ltd.	56.8%	1.9	76	1.9	58	-	60	3.8	4.4
EnCana Corporation	100.0%	1.4	77	-	63	1.4	51	62,046.6	40,370.0
Flagstone Energy Inc.	52.6%	0.9	78	0.9	60	-	60	786.6	1.9
Thoroughbred Energy Ltd.	99.8%	0.5	79	-	63	0.5	55	1,700.3	242.7
Vermilion Resources Ltd.	99.2%	0.4	80	-	63	0.4	56	51.5	51.7
Martin Head Oil & Gas Ltd.	99.0%	0.3	81	-	63	0.3	57	148.8	30.8
Angle Energy Inc.	100.0%	0.1	82	-	63	0.1	59	91.5	506.0
Ashton Oil & Gas Ltd.	100.0%	-	83	-	63	-	60	7,810.1	3,170.9
Blackpearl Resources Inc.	100.0%	-	83	-	63	-	60	155.3	4.4.0
BP Canada Energy Company	100.0%	-	83	-	63	-	60	-	38,526.8
Caltex Energy Inc.	100.0%	-	83	-	63	-	60	126.9	287.5
Centrica Canada Limited	100.0%	-	83	-	63	-	60	42.6	17.6
Conocophillips Canada Operations Ltd.	100.0%	-	83	-	63	-	60	209.4	118.4
Conocophillips Western Canada Partnership	100.0%	-	83	-	63	-	60	200.1	835.8
Cougar Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	75.6	-
Crew Energy Partnership	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.8	-
Devon Canada	100.0%	-	83	-	63	-	60	10,208.1	6,375.0
Direct Energy Marketing Limited	100.0%	-	83	-	63	-	60	399.6	182.5
Enermark Inc.	100.0%	-	83	-	63	-	60	1,965.6	850.4
Exoro Energy Inc.	100.0%	-	83	-	63	-	60	15.0	56.3
Kallisto Energy Corp.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29.4	-
Lario Oil & Gas Company	100.0%	-	83	-	63	-	60	2,961.3	628.7
Nuloch Resources Inc.	100.0%	-	83	-	63	-	60	1,045.1	268.6
Petenco Resources Ltd.	100.0%	-	83	-	63	-	60	12.3	202.8
Rockbridge Energy Alberta Inc.	100.0%	-	83	-	63	-	60	11.0	8.6
Rustler Petroleum Inc.	100.0%	-	83	-	63	-	60	120.2	105.6
Sirius Energy Inc.	100.0%	-	83	-	63	-	60	502.1	80.5
Starchild Energy Systems Ltd.	N/A	-	N/A	-	N/A	-	N/A	14.0	-

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Taylor Management Inc	100.0%	-	83	-	63	-	60	162.3	148.2
The Locke Stock & Barrel Company Ltd	N/A	N/A	N/A	N/A	N/A	N/A	N/A	539.5	-
Triaxon Oil Operations Ltd	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.1	-
TriOil Resources Ltd	100.0%	-	83	-	63	-	60	108.9	1,270.5
Westdrum Energy Ltd	100.0%	-	83	-	63	-	60	180.0	179.9
TOTALS FOR MIDNAPORE	**97.4%**	**20,082.4**		**15,799.0**		**4,283.4**		**1,447,048.5**	**783,586.4**

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Bonavista Petroleum Ltd.	98.2%	2,540.9	1	1,322.6	1	1,218.3	1	131,303.1	142,723.4
Midway Energy Ltd.	94.5%	1,758.2	2	1,269.6	2	488.6	4	66,329.7	31,892.1
NAL Resources Limited	99.4%	1,329.0	3	944.4	4	384.6	6	318,108.4	224,259.8
Glencoe Resources Ltd.	99.5%	1,145.7	4	-	78	1,145.7	2	36,589.4	247,866.0
Bellatrix Exploration Ltd.	96.4%	1,086.8	5	1,086.8	3	-	72	22,286.6	29,944.1
Devon Canada	99.1%	1,015.4	6	364.6	12	650.8	3	152,967.0	108,032.1
Angle Energy Inc.	97.1%	944.3	7	606.6	6	337.7	7	22,638.3	32,475.1
Pengrowth Corporation	99.1%	935.4	8	883.3	5	52.1	26	92,385.3	103,691.7
Penn West Petroleum Ltd.	99.7%	703.2	9	530.3	7	172.9	11	286,095.8	259,575.5
Husky Oil Operations Limited	99.1%	666.4	10	216.4	21	450.0	5	48,050.6	76,459.4
Advantage Oil & Gas Ltd.	99.4%	566.7	11	266.8	16	299.9	8	73,785.3	89,368.1
Bearspaw Petroleum Ltd.	94.7%	506.2	12	506.2	8	-	72	56,021.2	9,498.3
Suncor Energy Oil and Gas Partnership	99.2%	428.1	13	427.4	9	0.7	68	116,840.7	55,961.5
Conocophillips Western Canada Partnership	99.8%	393.8	14	392.5	10	1.3	65	168,845.4	181,450.1
Petrobakken Energy Ltd.	86.5%	376.5	15	374.5	11	2.0	61	5,296.9	2,783.6
Apache Canada Ltd.	99.6%	354.4	16	56.1	42	298.3	9	28,578.5	92,557.2
Conocophillips Canada Energy Partnership	99.2%	349.4	17	205.5	22	143.9	13	62,049.5	43,786.1
Fairborne Energy Ltd.	96.7%	345.8	18	345.8	13	-	72	44,742.9	10,506.2
Celtic Exploration Ltd.	75.4%	328.7	19	323.4	14	5.3	56	1,775.2	1,336.3
Canadian Abraxas Petroleum, ULC	0.0%	318.8	20	318.8	15	-	72	147.4	318.8
Taqa North Ltd.	99.8%	309.6	21	226.5	19	83.1	18	175,056.8	136,300.2
Superman Resources Inc.	76.5%	288.3	22	124.2	30	164.1	12	756.5	1,224.8
Central Global Resources, ULC	96.4%	283.2	23	155.8	28	127.4	14	12,214.9	7,768.6
Signalta Resources Limited	85.5%	273.3	24	197.3	25	76.0	20	6,560.6	1,883.2
Cabrerra Resources Ltd.	99.6%	263.5	25	8.4	69	255.1	10	18,166.6	63,596.0
Crew Energy Inc.	53.1%	236.2	26	236.2	17	-	72	1,819.6	503.5
Alexander Oilfield Services Ltd.	61.6%	231.0	27	231.0	18	-	72	1,579.8	601.3
EOG Resources Canada Inc.	99.4%	223.0	28	223.0	20	-	72	33,511.1	36,199.3
Enerplus Resources Corporation	98.1%	214.4	29	192.4	27	22.0	36	14,033.9	11,165.1
Harvest Operations Corp.	99.6%	213.7	30	200.6	23	13.1	39	93,980.3	56,487.4
Yangarra Resources Corp.	96.7%	206.8	31	195.6	26	11.2	42	5,878.2	6,264.7
Twin Butte Energy Ltd.	0.0%	199.0	32	199.0	24	-	72	958.5	199.0
Hard Rock Resources Ltd.	53.8%	185.3	33	90.4	35	94.9	16	1,073.4	401.4
Wolf Coulee Resources Inc.	13.0%	130.9	34	130.9	29	-	72	951.5	150.5
Anderson Energy Ltd.	98.5%	127.7	35	9.8	67	117.9	15	13,457.6	8,261.0

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Exxonmobil Canada Ltd. and Exxonmobil Resources Ltd.	99.8%	124.4	36	74.0	38	50.4	27	46,800.2	56,358.8
Daylight Energy Ltd.	98.7%	121.2	37	36.4	52	84.8	17	3,223.8	9,475.9
Cequence Energy Ltd.	0.0%	120.2	38	120.2	31	-	72	318.3	120.2
Timberrock Energy Corp.	37.5%	105.0	39	103.6	32	1.4	64	413.9	168.1
Vero Energy Inc.	0.0%	100.5	40	100.5	33	-	72	234.2	100.5
ConocoPhillips Canada Resources Corp.	0.0%	98.5	41	98.5	34	-	72	61.7	98.5
Direct Energy Marketing Limited	98.8%	88.7	42	77.4	37	11.3	41	8,826.6	7,540.8
Westfire Energy Ltd.	9.5%	82.4	43	-	78	82.4	19	832.2	91.0
Chinook Energy Partnership	99.6%	80.7	44	14.1	63	66.6	21	4,576.0	20,617.6
Fogo Energy Corp.	0.0%	79.3	45	79.3	36	-	72	618.4	79.3
Milestone Exploration Inc.	94.4%	72.7	46	72.7	39	-	72	1,145.7	1,298.6
Bountiful Resources Inc.	85.3%	72.0	47	22.6	58	49.4	29	1,606.1	488.1
PMC (Nova Scotia) Company	N/A	N/A	N/A	N/A	N/A	-	72	-	-
South Bay Resources Canada, Ulc.	23.6%	71.0	49	71.0	41	-	72	3,789.1	92.9
Connacher Oil And Gas Limited	97.1%	70.9	50	5.7	71	65.2	22	8,637.9	2,416.8
Mato Inc.	95.4%	62.7	51	-	78	62.7	23	648.3	1,366.2
ConocoPhillips Canada (BRC) Partnership	99.6%	60.3	52	50.8	45	9.5	47	4,612.7	14,410.7
Optimus Energy Limited	0.0%	58.7	53	-	78	58.7	24	221.3	58.7
Vermilion Resources Ltd.	96.5%	57.5	54	-	78	57.5	25	1,862.6	1,659.0
Garnet Resources Ltd.	71.8%	55.8	55	5.7	71	50.1	28	689.8	197.7
Action Energy Inc.	0.0%	55.0	56	55.0	43	-	72	336.4	55.0
Cutpick Energy Inc.	44.9%	53.6	57	53.6	44	-	72	635.8	97.2
Chinook Energy Ltd.	99.5%	52.4	58	19.1	60	33.3	33	2,747.4	9,709.0
Conserve Oil Corporation	99.2%	50.4	59	48.4	47	2.0	61	9,656.9	6,292.3
South Ridge Management Ltd.	0.0%	48.9	60	48.9	46	-	72	311.4	48.9
Traxon Oil Operations Ltd.	96.7%	48.6	61	39.0	50	9.6	46	12,728.5	1,489.8
Sword Energy Inc.	98.7%	45.4	62	43.4	48	2.0	61	13,267.4	3,497.0
Sogar Resources Ltd.	98.1%	42.2	63	-	78	42.2	30	1,407.7	2,199.0
Compton Petroleum Corporation	84.1%	39.4	64	39.4	49	-	72	992.5	248.1
BP Canada Energy Company	100.0%	36.9	65	-	78	36.9	31	8,289.8	73,698.5
Whitecap Resources Inc.	91.6%	36.5	66	36.5	51	-	72	192.0	433.6
Ramier Resources Ltd.	0.0%	36.1	67	36.1	53	-	72	119.8	36.1
Progress Energy Ltd.	98.2%	35.9	68	25.5	56	10.4	45	773.2	2,044.6
Golden Spike Energy Inc.	0.0%	35.8	69	-	78	35.8	32	234.5	35.8
Imperial Oil Resources	99.8%	34.0	70	27.8	55	6.2	52	41,903.7	17,016.4

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Navarone Energy Corporation	82.1%	31.5	71	31.5	54	-	72	1,238.9	175.6
Canadian Natural Resources Limited	99.7%	30.4	72	19.4	59	11.0	43	15,219.0	10,385.5
Gold Ridge Investments Corporation	0.0%	29.6	73	-	78	29.6	34	109.9	29.6
Quatro Resources Inc.	99.0%	29.0	74	-	78	29.0	35	4,612.1	2,960.2
Brand S Resources Ltd.	0.0%	23.9	75	23.9	57	-	72	424.9	23.9
Waldron Energy Corporation	99.8%	20.3	76	7.5	70	12.8	40	8,926.2	10,878.6
NEO Exploration Inc.	70.6%	20.2	77	-	78	20.2	37	1,767.4	68.6
Crescent Point Energy Corp.	99.7%	19.7	78	12.4	64	7.3	50	15,715.7	6,734.6
Provident Energy Ltd.	99.7%	17.9	79	3.2	72	14.7	38	2,834.0	6,692.3
Omers Energy Inc.	98.8%	17.1	80	17.1	61	-	72	2,048.0	1,462.3
Tykewest Limited	87.5%	16.5	81	12.1	65	4.4	57	672.9	131.5
Baytex Energy Ltd.	0.0%	14.4	82	14.4	62	-	72	385.6	14.4
Plains Midstream Canada Ulc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-
Provident Acquisitions Inc.	0.0%	10.6	84	-	78	10.6	44	105.2	10.6
KinMerc Oil & Gas Inc.	0.0%	9.1	85	9.1	68	-	72	305.9	9.1
Shanpet Resources Ltd.	97.6%	8.1	86	-	78	8.1	48	291.1	334.9
Seven Energy (Canada) Inc.	99.6%	7.4	87	-	78	7.4	49	1,341.4	1,666.3
ARC Resources Ltd.	100.0%	6.5	88	-	78	6.5	51	47,042.7	49,233.6
Enermark Inc.	99.9%	6.1	89	-	78	6.1	53	4,949.1	5,981.2
Esprit Exploration Ltd.	99.6%	5.9	90	-	78	5.9	54	1,521.1	1,596.7
Milen's Oilfield Enterprises Ltd.	99.8%	5.4	91	-	78	5.4	55	168.1	2,362.0
Sifton Energy Inc.	99.5%	4.4	92	-	78	4.4	57	333.5	932.0
Avenir Operating Corp.	99.7%	4.0	93	-	78	4.0	58	855.4	1,300.1
Baccalieu Energy Inc.	99.9%	3.7	94	-	78	3.7	59	11,729.8	6,631.1
Prospex Resources Ltd.	100.0%	3.0	95	3.0	73	-	72	818.9	12,481.0
Monterey Exploration Ltd.	99.9%	2.8	96	0.6	75	2.2	60	9,424.2	4,349.5
Coastal Resources Limited	92.6%	2.7	97	2.7	74	-	72	568.5	36.4
Clearbrook Resources Inc.	98.5%	2.0	98	-	78	2.0	61	1,622.8	134.3
Tri-Ment Corporation Ltd.	39.4%	2.0	98	-	78	2.0	61	24.0	3.3
Camino Industries Inc.	99.8%	1.9	99	-	78	1.9	62	450.5	921.6
Wild Stream Exploration Inc.	100.0%	1.7	100	-	78	1.7	63	9,336.1	8,737.6
Spur Energy Corp.	0.0%	1.2	101	-	78	1.2	66	184.2	1.2
Pearson Resources Ltd.	0.0%	1.0	102	0.1	77	0.9	67	102.1	1.0
Forent Energy Ltd.	0.0%	0.9	103	-	78	0.9	67	295.5	0.9
Artemis Exploration Inc.	97.4%	0.5	104	0.3	76	0.2	71	1,903.6	19.3

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Petro Uno Resources Ltd.	99.8%	0.5	104	-	78	0.5	69	322.0	295.6
Crocotta Energy Inc.	99.5%	0.4	105	-	78	0.4	70	162.8	77.0
Enhance Energy Inc.	98.2%	0.2	106	-	78	0.2	71	11.9	11.2
Silver Blaze Energy Ltd.	93.8%	0.2	106	-	78	0.2	71	178.7	3.2
Tournament Exploration Ltd.	100.0%	0.1	107	0.1	77	-	72	13,851.9	7,253.1
981384 Alberta Ltd.	100.0%	0.0	108	-	78	-	72	16.5	119.6
AltaGas Ltd.	100.0%	0.0	108	-	78	-	72	13.2	200.0
Arsenal Energy Inc.	100.0%	0.0	108	-	78	-	72	634.5	578.0
Bentley Oil & Gas Ltd.	100.0%	0.0	108	-	78	-	72	289.2	18.3
Birchill Exploration Limited Partnership	100.0%	-	108	-	78	-	72	198.3	676.8
Canada West Resources Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.5	-
Canext Energy Ltd.	100.0%	-	108	-	78	-	72	1,526.5	364.9
Canyon Oil & Gas Corporation	100.0%	-	108	-	78	-	72	120.6	690.5
Condor Canada Petroleum Inc.	100.0%	-	108	-	78	-	72	4,729.7	577.1
Crew Energy Partnership	100.0%	-	108	-	78	-	72	2,822.2	1,949.5
Diaz Resources Ltd.	100.0%	-	108	-	78	-	72	63.2	879.4
Echoex Ltd.	100.0%	-	108	-	78	-	72	119.4	146.1
Elkwater Resources Ltd.	100.0%	-	108	-	78	-	72	172.6	545.7
Enerplus Oil & Gas Ltd.	100.0%	-	108	-	78	-	72	1,170.0	1,697.5
Equal Energy Corp.	100.0%	-	108	-	78	-	72	3,390.0	4,210.9
Exoro Energy Inc.	100.0%	-	108	-	78	-	72	927.7	607.9
Fairwest Energy Corporation	100.0%	-	108	-	78	-	72	45.1	83.3
Ferrybank Resources Ltd.	100.0%	-	108	-	78	-	72	1,407.4	364.8
FET Energy Ltd.	100.0%	-	108	-	78	-	72	1,298.6	2,100.2
Freehold Resources Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.4	-
Grandview Exploration Inc.	100.0%	-	108	-	78	-	72	1,978.9	3.4
Hunt Oil Company of Canada, Inc.	100.0%	-	108	-	78	-	72	2,968.7	3,783.4
Knowledge Energy Inc.	100.0%	-	108	-	78	-	72	1,348.6	4,033.3
Mosaic Energy Ltd.	100.0%	-	108	-	78	-	72	405.7	276.1
Onyx 2006 Inc.	100.0%	-	108	-	78	-	72	7.8	635.9
Open Range Energy Corp.	100.0%	-	108	-	78	-	72	251.5	78.4
Orleans Energy Ltd.	100.0%	-	108	-	78	-	72	1,364.8	3,731.9
Owl River Resources Ltd.	100.0%	-	108	-	78	-	72	567.5	973.8
Paramount Resources Ltd.	100.0%	-	108	-	78	-	72	3,020.8	2,414.6
Primrose Drilling Ventures Ltd.	100.0%	-	108	-	78	-	72	104.2	912.9

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
RED DEER CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 M^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 M^3$)	FLARE RANK	GAS VENTED ($1000 M^3$)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD ($1000 M^3$)
Redcliffe Exploration Inc.	100.0%	-	108	-	78	-	72	1,158.6	371.4
Regent Resources Ltd.	100.0%	-	108	-	78	-	72	492.0	414.6
Rise Resources Corp.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.2	-
Rock Energy Inc.	100.0%	-	108	-	78	-	72	3,656.0	5,735.6
Rustler Petroleum Inc.	100.0%	-	108	-	78	-	72	131.0	1.2
Saffron Energy Ltd.	100.0%	-	108	-	78	-	72	135.3	233.4
Salvo Energy Corporation	100.0%	-	108	-	78	-	72	56.8	5.0
Scollard Energy Inc.	100.0%	-	108	-	78	-	72	122.5	218.9
Shapco Resources Ltd.	100.0%	-	108	-	78	-	72	1,922.6	1,065.9
Skywest Energy Corp.	100.0%	-	108	-	78	-	72	516.1	1,756.9
Sonde Resources Corp.	100.0%	-	108	-	78	-	72	697.1	261.9
Terra Energy Corp.	100.0%	-	108	-	78	-	72	953.6	125.9
Tranon Resources Ltd.	100.0%	-	108	-	78	-	72	131.3	484.1
Trilight Energy Inc.	100.0%	-	108	-	78	-	72	2.9	143.5
Westdrum Energy Ltd.	100.0%	-	108	-	78	-	72	897.2	417.8
Yellow Brick Energy Ltd.	100.0%	-	108	-	78	-	72	2,462.2	1,316.8
Zargon Oil & Gas Ltd.	100.0%	-	108	-	78	-	72	2,734.1	805.3
TOTALS FOR RED DEER	**99.1%**	**22,159.1**		**14,508.4**		**7,650.7**		**2,505,506.5**	**2,498,985.4**

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Shell Canada Energy	81.3%	24,247.6	1	22,131.4	1	2,116.2	2	727,698.1	129,539.7
Murphy Oil Company Ltd.	61.9%	15,579.9	2	15,579.9	2	-	82	306,010.6	40,854.8
Penn West Petroleum Ltd.	96.2%	11,577.0	3	6,454.6	3	5,122.4	1	1,072,014.5	308,157.8
Pengrowth Corporation	97.0%	6,626.9	4	5,804.2	5	822.7	4	646,522.1	222,348.5
Arcan Resources Ltd.	36.5%	6,313.4	5	6,286.8	4	26.6	44	106,291.4	9,940.1
Devon Canada	96.8%	4,910.0	6	4,477.3	6	432.7	7	644,640.8	151,798.4
Harvest Operations Corp.	87.0%	4,074.3	7	3,143.6	7	930.7	3	253,129.7	31,388.7
Husky Oil Operations Limited	71.6%	2,889.5	8	2,078.8	8	810.7	5	48,477.4	10,172.7
Canadian Natural Resources Limited	96.0%	2,315.1	9	2,020.3	10	294.8	11	326,747.3	58,285.3
Baytex Energy Ltd.	63.3%	2,053.3	10	2,039.9	9	13.4	54	64,483.3	5,597.9
Canadian Forest Oil Ltd.	54.9%	1,944.6	11	1,705.6	11	239.0	16	106,089.9	4,310.4
Second Wave Petroleum Inc.	92.8%	1,374.2	12	1,374.2	12	-	82	22,291.2	19,001.4
FET Energy Ltd.	3.3%	1,342.3	13	1,152.7	14	189.6	18	19,016.7	1,388.3
Apache Canada Ltd.	97.6%	1,299.2	14	601.3	24	697.9	6	313,806.5	53,096.7
Celtic Exploration Ltd.	81.8%	1,215.6	15	1,063.0	15	152.6	22	27,718.8	6,684.7
Nordegg Resources Inc.	55.0%	1,187.6	16	1,187.6	13	-	82	24,843.7	2,638.6
Westfire Energy Ltd.	58.8%	1,134.7	17	743.0	19	391.7	10	18,408.6	2,753.3
Trilogy Resources Ltd.	98.0%	1,079.3	18	1,005.5	16	73.8	30	83,352.2	55,142.0
Daylight Energy Ltd.	85.8%	982.3	19	946.4	17	35.9	41	34,709.0	6,937.1
Exoro Energy Inc.	8.8%	752.1	20	752.1	18	-	82	1,499.7	824.2
Arsenal Energy Inc.	27.8%	712.8	21	710.7	20	2.1	76	25,007.1	986.6
Iteration Energy Ltd.	68.4%	695.0	22	683.8	21	11.2	58	14,826.8	2,195.9
Advantage Oil & Gas Ltd.	90.9%	683.5	23	468.0	27	215.5	17	31,186.2	7,535.2
Blackpearl Resources Inc.	96.0%	668.6	24	668.6	22	-	82	52,181.3	16,761.6
Alberta Oilsands Inc.	24.5%	610.7	25	610.7	23	-	82	2,226.0	808.4
Enermark Inc.	98.9%	542.1	26	118.8	45	423.3	9	65,989.1	50,682.8
Novus Energy Inc.	22.0%	498.6	27	498.6	25	-	82	1,730.8	638.9
Great Plains Exploration Inc.	32.6%	494.9	28	491.5	26	3.4	73	12,898.1	734.1
Midway Energy Ltd.	66.9%	432.4	29	-	100	432.4	8	6,926.2	1,305.0
Fortune Energy Inc.	36.3%	414.1	30	414.1	28	-	82	15,004.0	649.6
Response Energy Corporation	83.4%	390.0	31	332.7	30	57.3	33	9,604.4	2,350.0
ARC Resources Ltd.	91.4%	382.6	32	211.8	35	170.8	19	50,264.4	4,434.7
Trafina Energy Ltd.	0.0%	380.0	33	380.0	29	-	82	890.0	380.0
Cougar Energy Inc.	0.0%	330.1	34	87.7	51	242.4	14	11,686.1	330.2

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Ironhorse Oil & Gas Inc.	30.9%	325.8	35	86.3	52	239.5	15	15,360.0	471.2
Whitehall Energy Ltd.	18.8%	314.8	36	146.0	44	168.8	20	4,737.5	387.5
Sword Energy Inc.	97.7%	297.7	37	23.9	72	273.8	12	19,525.3	12,747.9
Galleon Energy Inc.	98.7%	291.1	38	269.9	32	21.2	47	36,400.4	21,846.0
Zargon Oil & Gas Ltd.	0.0%	282.4	39	282.4	31	-	82	2,596.3	282.4
Midlake Oil & Gas Limited	12.9%	270.0	40	-	100	270.0	13	2,696.6	310.1
Petrobakken Energy Ltd.	92.6%	265.9	41	174.5	39	91.4	28	21,448.9	3,577.6
Exall Energy Corporation	93.4%	262.3	42	151.8	43	110.5	26	64,467.8	3,930.7
Vermilion Resources Ltd.	94.9%	253.7	43	151.9	42	101.8	27	72,260.8	4,969.0
Bonterra Energy Corp.	74.5%	249.5	44	197.0	36	52.5	35	1,794.7	976.4
Conocophillips Western Canada Partnership	98.1%	242.2	45	242.2	33	-	82	56,389.5	12,426.8
Tourmaline Oil Corp.	84.8%	233.8	46	212.7	34	21.1	48	3,797.3	1,542.2
Iteration Energy	74.0%	186.6	47	173.6	40	13.0	56	5,789.8	718.1
North Peace Energy Corp.	0.0%	186.6	47	186.6	37	-	82	691.1	173.2
Mec Operating Company ULC	99.1%	186.1	48	186.1	38	-	82	75,526.2	21,064.7
NAL Resources Limited	96.6%	179.3	49	155.4	41	23.9	45	15,008.4	5,341.0
Mosaic Energy Ltd.	42.3%	170.8	50	-	100	170.8	19	3,197.0	296.2
Dark Energy Ltd.	69.3%	153.6	51	-	100	153.6	21	8,239.3	499.9
Leddy Exploration Limited	91.2%	149.2	52	115.6	46	33.6	42	6,486.0	1,700.6
Sure Energy Inc.	87.4%	144.6	53	31.5	69	113.1	25	6,437.7	1,147.8
Signalta Resources Limited	20.2%	130.9	54	4.4	87	126.5	23	2,719.4	164.0
Pace Oil & Gas Ltd.	1.7%	122.7	55	112.7	47	10.0	60	5,119.4	124.8
Bonavista Petroleum Ltd.	99.0%	119.5	56	0.7	96	118.8	24	9,708.7	12,225.3
Canflame Energy Ltd.	97.7%	110.9	57	110.9	48	-	82	2,667.1	4,709.9
Halvar Resources Ltd.	0.0%	110.0	58	110.0	49	-	82	486.6	110.0
Vero Energy Inc.	98.8%	102.2	59	37.2	66	65.0	31	5,174.7	8,319.8
Rustum Petroleums Limited	0.0%	100.1	60	90.9	50	9.2	62	3,708.5	100.1
Talisman Energy Inc.	99.1%	89.7	61	8.4	82	81.3	29	13,035.8	9,862.1
Taqa North Ltd.	99.6%	80.1	62	80.1	53	-	82	15,643.6	22,073.5
Barrick Energy Inc.	0.0%	79.7	63	79.7	54	-	82	745.9	79.7
Fairborne Energy Ltd.	49.3%	79.5	64	79.5	56	-	82	289.9	156.8
International Sovereign Energy Corp.	16.6%	76.4	65	76.4	56	-	82	648.0	91.6
Pradera Resources Inc.	40.2%	76.3	66	39.7	64	36.6	39	9,346.3	127.6
Ravenwood Energy Corp.	83.4%	75.6	67	75.6	57	-	82	7,960.1	455.0
Sifton Energy Inc.	0.0%	70.2	68	70.2	58	-	82	246.6	70.2

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Anderson Energy Ltd.	92.9%	70.1	69	70.1	59	-	82	2,249.7	979.9
Direct Energy Marketing Limited	98.7%	68.6	70	68.6	60	-	82	13,937.9	5,288.8
Orion Oil & Gas (North America) Ltd.	99.4%	67.5	71	17.4	75	50.1	36	36,577.7	11,397.1
Midnight Oil Exploration Ltd.	0.0%	65.4	72	65.4	61	-	82	3,167.6	65.4
Barnwell of Canada, Limited	73.3%	64.4	73	64.4	62	-	82	5,513.8	241.3
Jaco Energy Limited	91.1%	60.6	74	60.6	63	-	82	3,834.4	681.3
Desmarais Energy Corporation	88.2%	59.0	75	-	100	59.0	32	937.6	498.0
Border Petroleum Corp.	19.5%	57.4	76	35.6	67	21.8	46	1,631.5	71.3
Glencoe Resources Ltd.	0.0%	54.0	77	-	100	54.0	34	173.5	54.0
Crescent Point Energy Corp.	94.9%	46.8	78	38.9	65	7.9	64	619.7	909.2
Serrano Energy Ltd.	0.0%	39.3	79	-	100	39.3	37	1,530.7	39.3
Corinthian Energy Corp.	98.4%	38.5	80	32.2	68	6.3	67	4,003.8	2,439.1
Primrose Drilling Ventures Ltd.	0.0%	37.8	81	-	100	37.8	38	840.6	37.8
Saffron Energy Ltd.	0.0%	36.5	82	-	100	36.5	40	610.4	36.5
Chinook Energy Partnership	75.8%	35.9	83	-	100	35.9	41	225.1	148.1
New North Resources Ltd.	0.0%	31.2	84	-	100	31.2	43	899.5	31.2
Beaver Lake Resources Corporation	0.0%	28.8	85	28.8	70	-	82	516.2	28.8
Avenir Operating Corp.	63.1%	25.3	86	13.6	80	11.7	57	209.8	68.5
Perpetual Energy Operating Corp.	99.3%	24.2	87	24.2	71	-	82	2,953.3	3,551.1
Surat Energy Inc.	0.0%	21.4	88	21.4	73	-	82	815.0	21.4
Echoex Ltd.	1.9%	21.1	89	0.2	98	20.9	49	13,243.4	21.5
Kallisto Energy Corp.	22.6%	20.2	90	-	100	20.2	50	894.5	26.1
Shoreline Acquisition Corp.	23.8%	19.2	91	-	100	19.2	51	1,170.7	25.2
Indra Oil & Gas Ltd.	0.0%	18.0	92	18.0	74	-	82	716.8	18.0
Marcal Energy Inc.	99.8%	16.8	93	16.8	76	-	82	59,312.3	7,166.6
Koch Exploration Canada G/P Ltd.	58.4%	15.7	94	-	100	15.7	52	4,897.1	37.7
Hawk Exploration Ltd.	0.0%	15.4	95	15.4	77	-	82	302.1	15.4
Chinook Energy Ltd.	7.3%	15.2	96	-	100	15.2	53	45.8	16.4
KinMerc Oil & Gas Inc.	96.8%	14.4	97	14.4	78	-	82	3,608.5	451.6
Coastal Resources Limited	97.6%	14.1	98	5.3	85	8.8	63	13,385.6	596.6
Storm Exploration Inc.	0.0%	13.7	99	13.7	79	-	82	334.2	13.7
Kootenay Energy Inc.	57.2%	13.4	100	13.4	81	-	82	5,302.0	31.3
Western Canada Energy Ltd.	42.9%	12.0	101	-	100	12.0	56	409.0	21.0
Provident Energy Ltd.	16.2%	11.9	102	0.8	95	11.1	59	434.9	14.2
Peloton Exploration Corp.	0.0%	9.7	103	4.2	89	5.5	69	41.9	9.7

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Bering Exploration, Company, Ulc	82.2%	9.4	104	-	100	9.4	61	810.2	52.8
Pinecrest Energy Inc.	74.1%	8.9	105	0.1	99	8.8	63	1,378.2	34.3
Emerald Bay Energy Inc.	0.0%	7.6	106	-	100	7.6	65	755.0	7.6
Petro Uno Resources Ltd.	21.7%	7.6	106	1.4	91	6.2	68	1,278.7	9.7
Newalta Corporation	63.2%	7.0	107	7.0	83	-	82	994.0	19.0
Scollard Energy Inc.	96.8%	6.9	108	-	100	6.9	66	580.1	212.4
Cequence Energy Ltd.	99.1%	6.3	109	-	100	6.3	67	1,310.4	715.0
Redwater Energy Corp.	96.8%	6.3	109	6.3	84	-	82	1,858.0	194.5
Quatro Resources Inc.	99.8%	4.9	110	-	100	4.9	70	795.7	2,559.8
B&G Energy Ltd.	25.0%	4.5	111	4.5	86	-	82	42.0	6.0
Orion Oil & Gas Corporation	99.9%	4.3	112	4.3	88	-	82	16,713.7	4,405.0
Progress Energy Ltd.	99.9%	4.0	113	-	100	4.0	71	13,044.9	4,844.9
Bountiful Resources Inc.	79.8%	3.9	114	3.8	90	0.1	81	563.9	19.3
Eastnell Resources Ltd.	0.0%	3.7	115	-	100	3.7	72	125.8	3.7
Hillsdale Drilling Ltd.	0.0%	2.6	116	-	100	2.6	74	259.2	2.6
Alka Resources Ltd.	97.1%	2.4	117	-	100	2.4	75	1,053.0	82.6
Exxonmobil Canada Ltd. and Exxonmobil Resources Ltd.	100.0%	2.1	118	-	100	2.1	76	617.1	4,145.5
Surge Energy Inc.	99.9%	1.7	119	1.0	93	0.7	79	4,483.6	2,743.8
Wrangler West Energy Corp.	100.0%	1.5	120	-	100	1.5	77	10,146.9	9,323.5
Delphi Energy Corp.	14.3%	1.2	121	0.2	98	1.0	78	989.9	1.4
Trihawk Energy Ltd.	0.0%	1.2	121	1.2	92	-	82	106.6	1.2
Detector Exploration Ltd.	59.1%	0.9	122	0.9	94	-	82	1,351.6	2.2
Enerl T Corporation	0.0%	0.4	123	0.4	97	-	82	373.5	0.4
Drake Energy Ltd.	0.0%	0.3	124	-	100	0.3	80	229.9	0.3
RIA Resources Corp.	100.0%	0.3	124	-	100	0.3	80	1,471.9	1,397.5
1451637 Alberta Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	99.7	-
AltaGas Ltd.	100.0%	-	125	-	100	-	82	283.8	901.5
Amarone Oil & Gas Ltd.	100.0%	-	125	-	100	-	82	2,806.0	1,428.8
Anterra Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7	-
Artemis Exploration Inc.	100.0%	-	125	-	100	-	82	160.7	5.9
Bounty Developments Ltd.	100.0%	-	125	-	100	-	82	289.1	5.5
Clearbrook Resources Inc.	100.0%	-	125	-	100	-	82	2,377.3	250.1
CNPC International (Canada) Ltd.	100.0%	-	125	-	100	-	82	946.8	499.3
ConocoPhillips Canada (BRC) Partnership	100.0%	-	125	-	100	-	82	7,679.8	5,309.4
Crocotta Energy Inc.	100.0%	-	125	-	100	-	82	103.0	726.5

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Culane Energy Corp.	100.0%	-	125	-	100	-	82	3,001.7	958.0
Enhance Energy Inc.	100.0%	-	125	-	100	-	82	205.3	19.3
Fox Creek Petroleum Corp.	100.0%	-	125	-	100	-	82	4,537.0	916.1
Ish Energy Ltd.	100.0%	-	125	-	100	-	82	200.9	8.0
Land Petroleum International Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	44.0	-
Linklater Lp	100.0%	-	125	-	100	-	82	86.7	1.0
MOGL Corp.	100.0%	-	125	-	100	-	82	574.0	298.5
Oneex Operations Partnership	100.0%	-	125	-	100	-	82	539.9	215.7
Orleans Energy Ltd.	100.0%	-	125	-	100	-	82	5,674.0	1,485.2
Petro-Reef Resources Ltd.	100.0%	-	125	-	100	-	82	7,069.9	7,530.5
Regco Petroleums Ltd.	100.0%	-	125	-	100	-	82	1,589.0	110.8
Revive Energy Corp.	100.0%	-	125	-	100	-	82	115.6	9.5
Rife Resources Ltd.	100.0%	-	125	-	100	-	82	1,164.1	332.8
Salvo Energy Corporation	100.0%	-	125	-	100	-	82	16.1	55.1
SGG Resources Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	523.0	-
Shamrock Oil & Gas Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	102.1	-
Sunrise Energy Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	263.3	-
Twin Butte Energy Ltd.	100.0%	-	125	-	100	-	82	1,987.5	464.0
Westhill Resources Limited	100.0%	-	125	-	100	-	82	1,131.4	6,910.5
Woodthorpe Petroleum Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	70.6	-
Yoho Resources Inc.	100.0%	-	125	-	100	-	82	100.4	1,182.9
TOTALS FOR ST. ALBERT	**92.6%**	**107,467.5**		**90,663.5**		**16,804.0**		**5,938,915.0**	**1,459,256.3**

[1] Caution is required when comparing to last year's report due to corporate mergers, acquisitions, and divestments.

FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES [1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Husky Oil Operations Limited	75.3%	23,258.4	1	1,679.5	5	21,578.9	1	1,188,757.8	94,287.6
Canadian Natural Resources Limited	66.9%	20,190.4	2	590.8	13	19,599.6	2	417,021.3	60,909.8
Bonavista Petroleum Ltd.	64.4%	12,278.1	3	1,112.6	7	11,165.5	3	133,933.6	34,525.5
Harvest Operations Corp.	83.8%	10,312.7	4	5,398.0	1	4,914.7	5	659,548.3	63,709.3
Talisman Energy Inc.	72.8%	8,582.4	5	4,120.9	2	4,461.5	6	621,751.5	31,501.3
Devon Canada	78.7%	7,449.9	6	-	56	7,449.9	4	326,609.7	34,922.6
Penn West Petroleum Ltd.	83.6%	4,888.6	7	3,923.0	3	965.6	11	325,345.1	29,817.4
Apache Canada Ltd.	84.5%	4,570.2	8	2,445.0	4	2,125.2	8	116,301.0	29,406.2
Canadian Forest Oil Ltd.	83.3%	4,340.2	9	170.4	23	4,169.8	7	42,238.5	26,020.6
Nuvista Energy Ltd.	73.9%	1,843.4	10	974.9	9	868.5	14	136,239.8	7,055.0
Nexen Inc.	73.6%	1,654.5	11	-	56	1,654.5	9	15,070.6	6,263.2
Daylight Energy Ltd.	86.3%	1,633.4	12	23.3	40	1,610.1	10	63,918.7	11,961.5
Equal Energy Corp.	78.1%	1,588.7	13	1,066.1	8	522.6	16	71,716.6	7,245.5
Surge Energy Inc.	84.6%	1,490.8	14	1,488.4	6	2.4	51	78,911.4	9,682.6
Northern Blizzard Resources Inc.	77.0%	964.6	15	-	56	964.6	12	11,603.5	4,189.4
Rock Energy Inc.	79.3%	951.1	16	37.6	37	913.5	13	74,399.2	4,601.4
Goldenkey Oil Inc.	0.0%	799.6	17	799.6	10	-	64	1,336.4	799.6
Crescent Point Energy Corp.	85.8%	778.9	18	726.7	11	52.2	30	69,070.2	5,485.1
Cutpick Energy Inc.	93.6%	643.6	19	629.1	12	14.5	41	34,897.4	10,089.8
Gear Energy Ltd.	87.2%	636.3	20	44.4	36	591.9	15	32,265.0	4,973.3
Fairwest Energy Corporation	16.8%	631.8	21	576.7	14	55.1	29	7,859.3	759.0
Emerge Oil & Gas Inc.	80.8%	619.7	22	486.3	16	133.4	24	60,050.0	3,224.8
Enermark Inc.	92.9%	590.0	23	542.0	15	48.0	31	166,974.9	8,283.7
EOG Resources Canada Inc.	80.7%	475.1	24	475.1	17	-	64	3,720.0	2,463.4
Arsenal Energy Inc.	93.8%	456.5	25	453.3	18	3.2	50	31,085.7	7,405.3
Rife Resources Ltd.	80.3%	445.9	26	445.9	19	-	64	126,152.9	2,263.3
Lift Resources Inc.	9.8%	424.3	27	20.9	41	403.4	17	16,986.4	470.6
Pengrowth Corporation	98.2%	347.9	28	11.7	42	336.2	18	96,135.4	19,417.1
Westfire Energy Ltd.	90.9%	304.6	29	65.1	31	239.5	20	20,086.3	3,329.0
Zargon Oil & Gas Ltd.	89.2%	301.6	30	300.2	20	1.4	53	45,206.5	2,788.9
Culane Energy Corp.	97.1%	279.1	31	45.2	35	233.9	21	36,969.9	9,623.1
Palliser Oil & Gas Corporation	9.6%	266.3	32	9.6	43	256.7	19	2,636.0	294.6
NAL Resources Limited	91.3%	256.5	33	215.9	21	40.6	35	25,806.9	2,935.4
Caltex Energy Inc.	18.7%	216.8	34	-	56	216.8	22	3,254.2	266.8
International Sovereign Energy Corp.	6.9%	214.1	35	214.1	22	-	64	1,560.8	229.9

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Avalon Exploration Ltd.	0.0%	162.0	36	-	56	162.0	23	2,584.9	162.0
Second Wave Petroleum Inc.	98.5%	162.0	36	162.0	24	-	64	16,355.8	10,671.7
Black Shire Energy Inc.	95.4%	110.6	37	110.6	25	-	64	73,060.8	2,418.7
Sedna Oil And Gas Ltd.	25.3%	106.0	38	100.1	26	5.9	47	1,308.7	141.9
Fort Calgary Resources Ltd.	10.1%	92.0	39	92.0	27	-	64	3,294.9	102.3
Hermes Financial Inc.	80.7%	87.9	40	87.9	28	-	64	4,498.3	455.2
Baytex Energy Ltd.	66.8%	80.5	41	-	56	80.5	25	5,226.5	242.6
Cenovus Energy Inc.	97.2%	79.6	42	79.6	29	-	64	87,222.5	2,888.4
Crew Energy Inc.	98.5%	72.7	43	72.7	30	-	64	11,766.6	4,799.1
Kasten Energy Inc.	2.8%	70.2	44	-	56	70.2	26	1,118.0	72.2
Kobi Resources Ltd.	87.8%	66.5	45	53.4	33	13.1	43	1,397.7	543.8
Iteration Energy Ltd.	61.4%	63.9	46	-	56	63.9	27	3,859.8	165.6
Serrano Energy Ltd.	0.0%	57.8	47	-	56	57.8	28	2,296.4	57.8
Creo Energy Ltd.	39.2%	54.7	48	54.7	32	-	64	428.8	90.0
Petrobakken Energy Ltd.	98.5%	51.3	49	33.7	39	17.6	38	5,974.3	3,309.7
Spry Energy Ltd.	0.4%	46.5	50	46.5	34	-	64	8,445.5	46.7
Solara Exploration Ltd.	16.3%	45.7	51	-	56	45.7	32	5,601.5	54.6
Waseca Energy Inc.	0.0%	45.2	52	-	56	45.2	33	2,655.8	45.2
Twin Butte Energy Ltd.	99.7%	41.5	53	23.3	40	18.2	37	16,615.6	13,128.3
Ceno Energy Limited	93.3%	40.8	54	-	56	40.8	34	6,324.1	609.1
Avenir Operating Corp.	19.7%	35.5	55	34.9	38	0.6	59	1,959.5	44.2
Barcomp Petroleum Ltd.	0.0%	32.7	56	-	56	32.7	36	7,244.8	32.7
Cabrerra Resources Ltd.	99.3%	22.9	57	9.4	44	13.5	42	1,761.0	3,391.0
Diaz Resources Ltd.	0.0%	16.1	58	-	56	16.1	39	8,123.2	16.1
Iteration Energy	63.0%	14.7	59	-	56	14.7	40	1,898.1	39.7
Taqa North Ltd.	97.2%	11.0	60	-	56	11.0	44	7,730.3	393.5
Taku Gas Limited	96.0%	10.3	61	-	56	10.3	45	7,013.1	259.7
Goodland Energy Ltd.	88.0%	10.2	62	-	56	10.2	46	1,117.6	84.7
Delphi Energy Corp.	97.9%	8.2	63	6.9	45	1.3	54	4,453.3	394.4
T & E Oils Ltd.	62.9%	6.6	64	6.6	46	-	64	1,482.4	17.8
Artemis Exploration Inc.	98.9%	6.3	65	6.3	47	-	64	6,316.7	567.3
Jaco Energy Limited	75.3%	5.6	66	4.2	51	1.4	53	1,923.7	22.7
Great Plains Exploration Inc.	76.8%	5.5	67	-	56	5.5	48	2,089.1	23.7
Barrier Reef Resources Ltd.	0.0%	5.4	68	5.4	48	-	64	16.9	5.4
Advantage Oil & Gas Ltd.	83.5%	4.9	69	4.9	49	-	64	295.4	29.7

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M^3)	FLARE RANK	GAS VENTED (1000 M^3)	VENT RANK	OIL PROD (M^3)	SOL'N GAS PROD (1000 M^3)
Harness Petroleum Inc.	0.0%	4.7	70	4.7	50	-	64	271.7	4.7
ConocoPhillips Canada (BRC) Partnership	99.9%	4.5	71	-	56	4.5	49	41,479.6	7,334.5
Venturion Natural Resources Limited	99.9%	3.6	72	3.6	52	-	64	22,347.0	6,200.7
Nordic Oil & Gas Ltd.	0.0%	3.1	73	3.1	53	-	64	1,326.8	3.1
Hawk Exploration Ltd.	99.9%	2.9	74	2.9	54	-	64	13,548.6	2,990.1
Perpetual Energy Operating Corp.	99.9%	2.5	75	2.5	55	-	64	7,566.8	2,317.4
New Century Petroleum Corporation	93.5%	2.2	76	-	56	2.2	52	6,312.4	33.9
Grand Rapids Petroleum Ltd.	0.0%	1.2	77	-	56	1.2	55	782.7	1.2
Sojourn Energy Inc.	45.0%	1.1	78	-	56	1.1	56	239.1	2.0
Oneex Operations Partnership	98.0%	1.0	79	-	56	1.0	57	1,234.4	48.9
Pennine Petroleum Corporation	66.7%	0.8	80	-	56	0.8	58	801.5	2.4
611890 Alberta Inc.	14.3%	0.6	81	-	56	0.6	59	2,064.2	0.7
EnCana Corporation	99.8%	0.6	81	-	56	0.6	59	1,817.0	370.6
Skywest Energy Corp.	0.0%	0.5	82	-	56	0.5	60	453.8	0.5
Seffian Petroleums Ltd.	0.0%	0.3	83	-	56	0.3	61	128.9	0.3
Emm Energy Inc.	0.0%	0.2	84	-	56	0.2	62	400.0	0.2
Forent Energy Ltd.	0.0%	0.1	85	-	56	0.1	63	213.4	0.1
Silverback Energy Ltd.	99.9%	0.1	85	-	56	0.1	63	586.1	148.1
Action Energy Inc.	100.0%	-	86	-	56	-	64	89.2	85.8
Altacanada Energy Partnership	100.0%	-	86	-	56	-	64	180.4	130.8
Blackhawk Resource Operating Corp.	100.0%	-	86	-	56	-	64	5,238.2	41.9
Brahma Resources Ltd.	100.0%	-	86	-	56	-	64	507.6	2.7
Cascade Resources Inc.	100.0%	-	86	-	56	-	64	144.8	18.4
Five O Oil & Gas Ltd.	100.0%	-	86	-	56	-	64	341.1	9.3
Fox Creek Petroleum Corp.	100.0%	-	86	-	56	-	64	716.2	154.0
Halvar Resources Ltd.	100.0%	-	86	-	56	-	64	10,049.8	149.9
Interquest Incorporated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.1	-
Lockwood Resources Ltd.	100.0%	-	86	-	56	-	64	-	795.4
Mooncor Energy Inc.	100.0%	-	86	-	56	-	64	78.1	0.3
Navarone Energy Corporation	100.0%	-	86	-	56	-	64	34.5	0.8
Northern Utilities (sask.) Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	290.6	-
Omers Energy Inc.	100.0%	-	86	-	56	-	64	45.3	137.9
Onstad Energy Corp.	100.0%	-	86	-	56	-	64	1,124.8	97.1
Pavilion Energy Corp.	100.0%	-	86	-	56	-	64	5,987.6	48.0
Sahara Energy Ltd.	100.0%	-	86	-	56	-	64	795.3	12.9

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FIELD CENTRE RANKING OF OPERATORS - 2010 FLARED + VENTED VOLUMES[1, 2]
WAINWRIGHT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: April 26, 2011

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 M³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	SOL'N GAS PROD (1000 M³)
Signalta Resources Limited	100.0%	-	86	-	56	-	64	241.8	752.6
Spade Resources Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	296.9	-
Sterling Eagle Oil Corporation	100.0%	-	86	-	56	-	64	3,148.6	153.5
Tallgrass Energy Corp.	100.0%	-	86	-	56	-	64	4,666.8	476.4
Teague Exploration Inc.	100.0%	-	86	-	56	-	64	9,284.9	188.6
Trafina Energy Ltd.	100.0%	-	86	-	56	-	64	75.5	0.1
TriOil Resources Ltd.	100.0%	-	86	-	56	-	64	1,316.4	338.2
Unicorn Agri-Oil Ltd.	100.0%	-	86	-	56	-	64	269.3	8.3
Vero Energy Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.3	-
Vertex Oil & Gas Ltd.	100.0%	-	86	-	56	-	64	310.5	24.0
Waldron Energy Corporation	100.0%	-	86	-	56	-	64	807.7	1,365.3
Western Plains Petroleum Ltd.	100.0%	0.0	86	0.0	56	0.0	64	4,124.6	213.7
Wildcat Rentals Ltd.	100.0%	-	86	-	56	-	64	1,355.3	116.7
TOTALS FOR WAINWRIGHT	**81.0%**	**116,449.3**		**30,104.2**		**86,345.1**		**5,531,995.6**	**611,311.1**

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